

Chip Cart

User Manual

Health and Safety

This manual provides instructions for the daily operation of the equipment and must be accessible to all personnel working with the equipment at all times. The following conditions are crucial:

- Retain the manual and other relevant documents for the entire service life of the equipment.
- Include the manual and other relevant documents as part of the equipment.
- Ensure the manual is delivered to all users of the equipment.
- Update the manual to reflect any additions or changes.
- Follow the procedures outlined in the manual when using the equipment.

Safety Code

Read the relevant sections of the instructions before using, maintaining, or servicing the equipment.

- Assume that all electrical equipment is live.
- Assume that all hoses and pipelines are under pressure.
- Ensure the power supply is turned off before servicing or maintaining the equipment.
- Disconnect connections and release pressure in pipes and hoses in a controlled manner.
- Only authorized personnel should perform service and maintenance.
- Use only spare parts approved by Sarigöl Konveyör Sistemleri.
- Securely mount and install the machine according to the instructions before starting.
- Use the machine only for its intended purpose.
- If you encounter abnormal vibration or noise, stop the machine and consult the manual.
- Electrical installations should be performed by an authorized electrician.
- Drain cutting fluids from tanks before performing any lifting operations.

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1 General Description of the Machine and Safety

These carts are equipped with brakes and tiltable wheels, designed for collecting chips from all types of chip conveyors. Their special design allows easy emptying into the chip storage by removing the cart from under the conveyor.

A discharge valve is located at the bottom to drain any cooling or cutting fluid that may accumulate in the cart.

They are available in Sarigöl standard capacities of 0.15, 0.3, 0.6, and 0.9 m³, with custom sizes and capacities also available upon request.

1.1 Introduction

Follow all safety and operating instructions in this manual to minimize the risk of accidents and extend the machine's lifespan.

Before assembling, operating, or maintaining the machine, ensure that all relevant personnel (operators, maintenance staff, etc.) have read and understood the user manual.

It is hazardous for unauthorized individuals outside the workplace to tamper with the device.

Failure to follow the instructions, procedures, or safety warnings in this manual may result in accidents, damage, and injuries.

1.2 General Warning

The system is protected against electrical leakage, part breakage, and foreign object jamming. Although the machine is equipped with safety systems, warning, caution, and usage labels have been placed on it. These labels must be observed and followed carefully.



In addition to the company label containing chip cart information, there are various warning and caution labels on the cart. These labels are intended to guide users in proper handling and maintenance, to highlight potential risks, and to warn individuals who may be exposed to hazards. Under no circumstances should these labels be removed from the chip cart.

Safety labels ensure that both you and the machines operate safely and efficiently. If any label is removed or falls off for any reason, request a replacement from the manufacturer. Always follow the warnings provided.

General Description of the Machine and Safety

1.3 Chip Cart Chip Types

The shavings cart body is designed for easy tipping.

Tipping is facilitated by moving along the tipping guide axis integrated into the cart body.

1.4 Tow Hitch

For domestic shipments, chip carts are loaded or unloaded by lifting them through slots designed for forklift blades, ensuring proper handling during the process.

Inside the factory, chip carts can be transported using the forklift entry slots located at two points. Movement is facilitated from these designated sections.

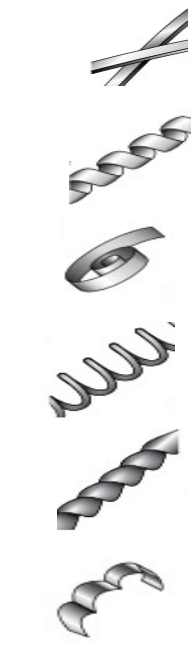






Maintain a safe distance from the load during loading and unloading. Only authorized personnel should handle or intervene with the process.

2 Chip Cart Description and Components


Chip carts are used for storing and discharging long, short, and spiral chips from CNC machines, as well as scrap metal sheets from presses. Designed specifically for chip storage and discharge, chip carts should never be used for transporting live material. It is dangerous to approach the cart with your hands or any limbs while it is operating.

2.1 Suitable Chip Types

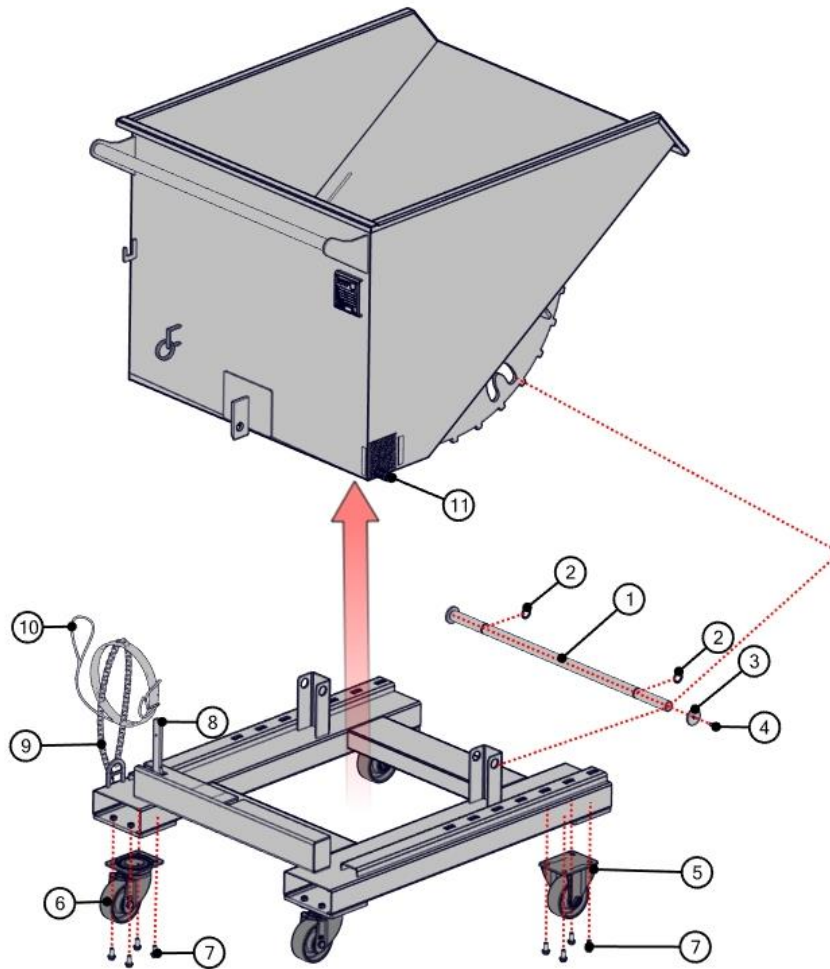
<u>Long</u>	<u>Short</u>	<u>Curly</u>
		
		

Do not touch with bare hands!

Use personal protection!



2.2 Chip Cart Component Groups



BALLOON NO	ITEM NO	DESCRIPTION	QUANTITY
1	150-01-0265	TILTING SHAFT	1
2	150-01-0107	OUTER RING (DIN 471/30)	2
3	150-01-0478	SPECIAL MANUFACTURING OF STAMPS	2
4	150-01-0053	BOLT FLANGE FULL TEETH WHITE DIN6921(M8X16)	2
5	150-01-1612	CAST IRON WHEEL PLATE FIXED	2
6	150-01-2819	CAST WHEEL PLATE WITH MOVING BRAKE	2
7	150-01-0041	BOLT FLANGE FULL TEETH WHITE DIN 6921 M10X25	16
8	150-01-3091	TILTING ARM	1
9	150-01-3004	TILTING SAFETY CHAIN	1
10	150-01-1326	TILTING ROPE	1
11	150-01-2968	MINI BALL VALVE (1/2" INTERNAL-EXTERNAL THREAD)	1

3 INSTALLATION AND ASSEMBLY

3.1 Chip Cart Installation and Assembly and Operating

If the chip cart is to be brought to the installation area using a forklift, the forklift should enter the lifting slots at the bottom of the cart to lift and transport it. If a crane is used, the cart should be lifted and transported by securely tying it with a rope. Once in place, the chip cart should be balanced, and the braked wheels should be fixed.

3.2 Chip Cart Safety Situations

The brakes on the filled chip cart wheels should be released when moving the cart to the discharge area, and the chip should be discharged safely.

After loading or unloading the chip cart, check the tilting arm and tilting rope at the rear:

- If the chip cart is tipping, secure the tilting arm and rope at the rear in a fixed position.
- If the chip cart is not tipping, release the tilting arm and rope at the rear.
- If the tilting arm is not working, the spring mechanism that controls the arm may be malfunctioning. Do not use the chip cart; request technical service.
- If the braked wheels are faulty, do not use the chip cart; request a spare part.
- Always keep the chip cart discharge valve closed during operation to prevent electrical issues and ground slipperiness in the work area.

4. MAINTENANCE

4.1 Weekly Maintenance

- Maintenance periods, aside from routine cleaning and weekly maintenance, may vary depending on operating conditions. The primary parts requiring periodic maintenance in the chip cart are the chip accumulation cabin, the fluid discharge screen, and the area surrounding the cart.
- Check the bolt connections for security.
- Ensure that all wheels on the chip cart are functioning properly.

4.2 Aylık bakımlar

- Monthly maintenance of the chip cart should be performed routinely.
- Inspect all bolts and fasteners to ensure they are tight and in proper working condition.
- If the discharge valve is leaking, replace it with a new one immediately.
- Check the wheels, and replace any that are not functioning properly.
- Verify the smooth operation of all wheels.
- In the event of wear, breakage, or damage, promptly notify the manufacturer.

For any unresolved issues, you may contact our company to request service.

5 About Malfunctions

5.1 General Explanations

The information in this booklet is based on experiences gained from service work and factory tests. The symptoms and causes of failures are described based on notifications received from our service companies and observations made by our service technicians.

Initially, conducting a detailed visual inspection is helpful when addressing encountered problems. Careful monitoring of failures can prevent unwanted damage during repairs.

First of all:

- Check the electrical connections for looseness.
- Inspect parts that may be affected by short circuits or heat.

If the problem persists despite trying the solutions specified in this book, please contact our company.

For optimal speed and safety, it is best to have all failure resolutions, maintenance, and repair work performed by our company. This ensures the best results for your conveyor and your business.

Taking action without proper knowledge may lead to incorrect results, unnecessary downtime, or costly damages.



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