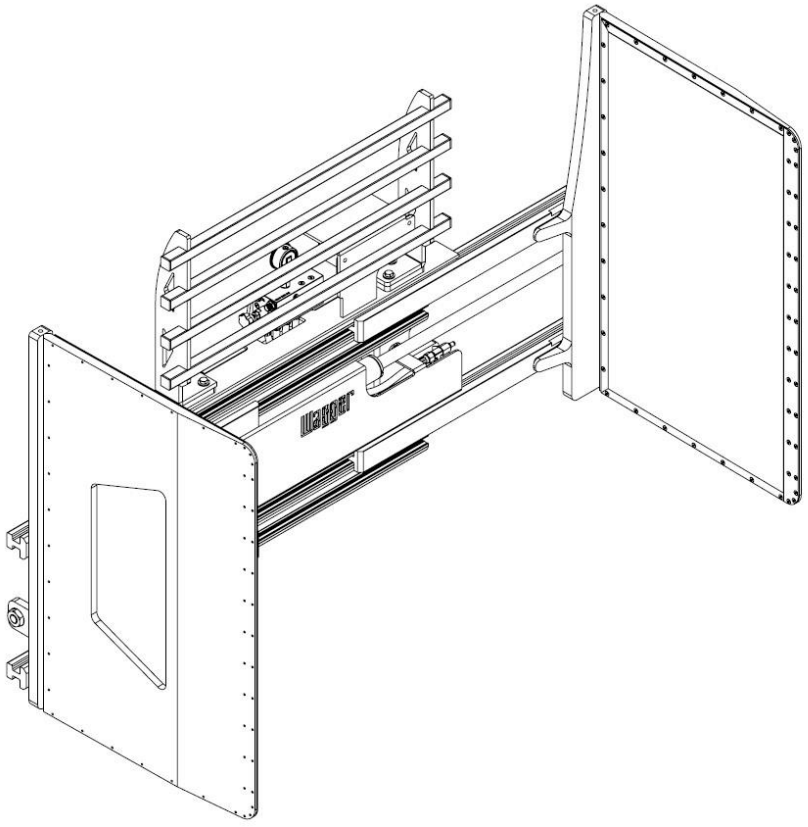
W A G G E R A T T A C H M E N T S

Installation/User/Maintanence/Spare Parts Manual

WAGGER CARTON CLAMP

CARTON CLAMP – CSR



SERIAL NUMBER OF YOUR EQUIPMENT _____

Carefully read the manual before use.

Gülmak İstif Makinaları San. Ve Tic. Ltd. Şti.

Yeşiloba Mah. 46247 Sk. No: 2/A Seyhan / ADANA / TÜRKİYE

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PREFACE

This manual provides you with all the information necessary for the installation, use and maintenance of your equipment. Its efficiency and lasting wear depends on effective maintenance and the care taken in its use.

Gülmak İstif Mak. San. Tic. Ltd. Şti. and your dealer are at your disposal to provide any information regarding operation and they also provide original spare parts to ensure perfect adaptation in the event of replacement.

Before leaving the factory, the equipment has been subjected to test to ensure maximun reliability.

Check to ensure that the equipment has not been subjected to the structural damage that may injure its functionality and safety.

The technical information provided in this manual are property of **Gülmak İstif Mak. San. Tic. Ltd. Şti.** and are confidential in nature: therefore even partial diffusion or reproduction of this manual is prohibited by law.

Manual Information

The present manual is to be considered an integral part of the device and must accompany the same until such time as it is scrapped. In the event of loss or damage, request a new manual from the manufacturing company.

This manual contains information, safety cautions, instructions on installation, transport, function and maintenance information.

Thoroughly read the manual and keep it on hand.

In the event of any problems with either the equipment or the manual, contact **Gülmak İstif Mak. San. Tic. Ltd. Şti.** for the latest information available.

The manual, complete with all enclosures must accompany the equipment in the event of re-sale!

WARNING !

Never let anyone operate this unit without reading the "Safety Precautions" and Operating Instructions" sections of this manual.

Unless noted otherwise, right and left sides are determined from the operator's control position when facing the attachment.

NOTE: The illustrations and data used in this manual were current at the time of printing, however, we reserve the right of redesign and change the attachment as may be necessary without notification.

Before Operation

Make sure the equipment is operated only by trained operators that have read and understand this manual. If there is any portion of this manual or function you do not understand, contact your local authorized dealer or the manufacturer to obtain further assistance.

GENERAL INFORMATION

Information on the *Fork Clamp (CSR)*

CSR clamp is a hydraulic equipment and requires one hydraulic function.

CSR clamp has been designed and manufactured to be fitted and used only in conjunction with a telehandler to handle many various palletless & unpacked goods in agricultural, steel, manufacturing, and construction industries.

Operator Position

The operator should control the equipment from the telehandler driver's seat.

Manufacturer Identification Data

Gülmak İstif Makinaları San. Ve Tic. Ltd. Şti.
Yeşiloba Mah. 46247 Sk. No: 2/A Seyhan / ADANA / TÜRKİYE
Tel : +90 322 428 08 58 – Fax : +90 322 428 09 25

Technical Assistance

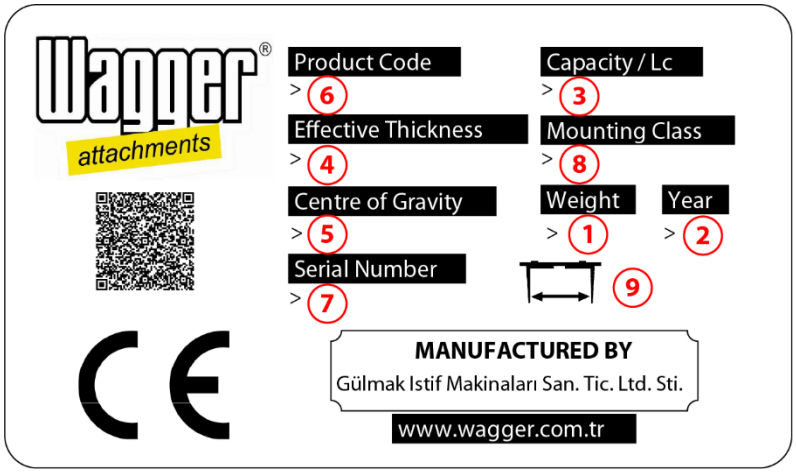
Gülmak İstif Makinaları San. Ve Tic. Ltd. Şti.
Use only Wagger Brand original spare parts.
Gülmak İstif Makinaları San. Ve Tic. Ltd. Şti. declines any responsibility for the use of non-original spare parts.

DATA FOR CE CERTIFICATION OF EQUIPMENT

The manufacturer will certify the equipment unit applying a plate on it indicating the residual capacity of the unit. This plate will also enable the traceability of the equipment.

Orders for spare parts must be accompanied by the serial number of the equipment written on the name plate.

Equipment Identification Plate



1 - Equipment weight

2 - Year of production.

3 - Equipment capacity

4 – Effective Thickness

5 - Centre of gravity of the load to which the equipment capacity refers.

6 - Product code

7 - Serial number

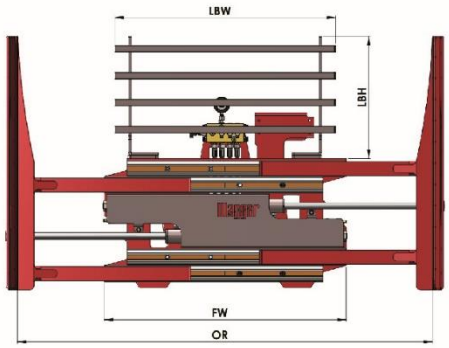
8 – Mounting Class

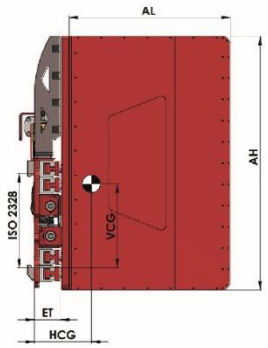
9 - Opening Range

TECHNICAL SPECIFICATION

CSR BALE CLAMPS
Tocacco Clamps

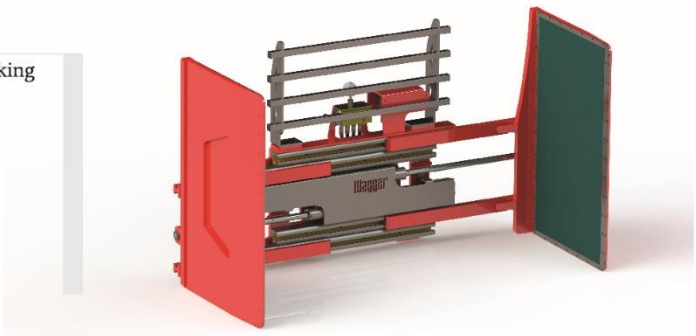
Wagger attachments





Catalogue Order No	Part No	Capacity (kg/mm)	Opening Range (mm)	Chassis Width (mm)	Mounting Class	Arm Dimensions (mm)	Effective Thickness (mm)	Horizontal Centre of Gravity (mm)	Weight (kg)	Price
			OR	CW	ISO2328	A / H / T	ET	HCG	W	€
010CSR-A02GR	CSR104716	1000/500	475-1600	1000	2A	700/1000/25	96	268	382	
010CSR-A03GR	CSR104817	1000/500	480-1770	1100	2A	700/1000/25	96	267	394	
010CSR-A06GR	CSR104919	1000/500	495-1900	1200	2A	700/1000/25	96	256	411	
010CSR-A11GR	CSR105620	1000/500	560-2030	1200	2A	700/1000/25	96	255	414	
014CSR-A12GR	CSR145618	1400/500	565-1800	1100	2A	700/1000/25	111	263	422	
014CSR-A06GR	CSR144919	1400/500	495-1900	1200	2A	700/1000/25	111	241	434	
014CSR-A11GR	CSR145620	1400/500	560-2030	1200	2A	700/1000/25	111	240	436	
014CSR-A13GR	CSR145921	1400/500	590-2100	1200	2A	700/1000/25	111	237	439	

- This attachment is used for loading, unloading or stacking tobacco boxs.
- 2 hydraulic function.
- Side shift feature available.
- Optional ;
  - Quick release,
  - Load backrest,
  - Pressure adjustment valve,
  - Special opening ranges,
  - Arms of different dimensions.



SAFE AND CORRECT USE

Load Handling

The effective filling way of the equipment is to position the equipment parallel to the ground and take the material.

Unload the material without touching of the front edge on the ground.

NOTICE: It is advisable to move the command lever smoothly; quick movements and stops may cause damages on hydraulic system of telehandler.

WARNING !

Before Load Lifting;

1. Check the all screws, pins and the condition of the carriage.
2. Check the correct assembly of the equipment to the telehandler and be sure that the screws of the lower hooks are tightened.
3. Operate the telehandler levers in order to find out which lever corresponds to what.

GENERAL SAFETY PRECAUTIONS

Safety Statements

THIS SYMBOL BY ITSELF OR WITH A WARNING WORD THROUGHOUT THIS MANUAL IS USED TO CALL YOUR ATTENTION TO INSTRUCTIONS INVOLVING YOUR PERSONAL SAFETY OR THE SAFETY OF OTHERS. FAILURE TO FOLLOW THESE INSTRUCTIONS CAN RESULT IN INJURY OR DEATH.

DANGER	THIS SIGNAL WORD IS USED WHERE SERIOUS INJURY OR DEATH WILL RESULT IF THE INSTRUCTIONS ARE NOT FOLLOWED PROPERLY.
WARNING	THIS SIGNAL WORD IS USED WHERE SERIOUS INJURY OR DEATH COULD RESULT IF THE INSTRUCTIONS ARE NOT FOLLOWED PROPERLY.
CAUTION	THIS SIGNAL WORD IS USED WHERE MINOR INJURY COULD RESULT IF THE INSTRUCTIONS ARE NOT FOLLOWED PROPERLY.
NOTICE	NOTICE INDICATES A PROPERTY DAMAGE MESSAGE.

WARNING !

READ MANUAL PRIOR TO INSTALLATION

Improper installation, operation, or maintenance of this equipment could result in serious injury or death. Operators and maintenance personnel should read this manual , as well as all manuals related to this equipment and the telehandler thoroughly before begining installation, operation, or maintenance.

FOLLOW ALL SAFETY INSTRUCTIONS IN THIS MANUAL AND THE TELEHANDLER 'S MANUAL.

WARNING !

READ AND UNDERSTAND ALL SAFETY STATEMENTS

Read all safety decals and safety statements in all manuals prior to operating or working on this equipment. Know and follow good work practices when assembling, maintaining, repairing, mounting, removing or operating this equipment.

As well as safety regulations described in this section please take note of all the information provided in the manual of the telehandler onto which the equipment is to be mounted.

WARNING !

KNOW YOUR EQUIPMENT

Know your equipment's capabilities, dimensions and operations before operating. Visually inspect your equipment before you start and never operate equipment that is not in proper working order with all safety devices intact. Remove and replace any damaged, fatigued, or excessively worn parts. Make certain all safety decals are in place and are legible. Keep decals clean and replace them if they become worn or hard to read.

Equipment Safety Precautions

WARNING !

DO NOT MODIFY EQUIPMENT

Modifications may weaken the integrity of the attachment and may impair the function, safety, life and performance of the attachment. When making repairs, use only the manufucturer's genuine parts, following authorized instructions. Other parts may be substandart in fit and quality. Any modifications must be authorized in writing by the manufacturer.

WARNING !

USE CARE WITH HYDRAULIC FLUID PRESSURE

Hydraulic fluid under pressure can penetrate the skin and cause serious injury or death. Hydraulic leaks under pressure may not be visible. Before connecting or disconnecting hydraulic hoses, read your telehandler's manual for detailed instructions on connecting and disconnecting hydraulic hoses or fittings. Wear safety glasses, gloves and protective clothing when searching for hydraulic leaks. Hold a piece of cardboard close to suspected leaks and then inspect the cardboard for signs of fluid. In the event of injuiry caused by hydraulic fluid under pressure, immediately seek medical assistance.

WARNING !

USE PERSONAL PROTECTIVE EQUIPMENTS

It is recommended to use personal protective equipment during the operation of any attachment that may cause high levels of dust.

WARNING !

OPERATING THE EQUIPMENT

- Do not use the equipment for any other purposes that those that have been intended.
- Do not exceed the maximum capacity as indicated on the identidication plate.
- Never allow anyone to be around the equipment when it is operating.
- Do not operate the equipment from anywhere other than the correct operator's position.
- Do not leave the telehandler unguarded without having firstly lowered the load to the ground, pulled the hand brake and switched off the motor.
- Do not use the telehandler and equipment to transport people.
- Standing under the load is severely forbidden. Never pass the arm through the upright. Remain inside the driver's cabin.
- Approach ramps or climbs backwards. Driving downhill with the load in front reduces load stability.

TRANSPORTING THE EQUIPMENT

- Travel only with the attachment in a safe transport position to prevent uncontrolled movement. Drive slowly over rough ground and on slopes.
- When driving on public roads use safety lights, reflectors, Slow Moving Vehicle signs etc. to prevent accidents. Check local government regulations that may affect you.
- Use extra care when loading onto or unloading the equipment from a trailer or telehandler.

STORAGE OF THE EQUIPMENT

Detaching Of The Equipment

1. Stop the motor of the telehandler.
2. Disconnect hydraulic connections between the equipment and the telehandler.
3. Loosen the screws and disconnect the lower hooks.
4. Operate the telehandler and remove the equipment.

Preparation For The Storage

The following storage procedure will help you to keep your attachment in top condition. It will also help you get off to a good start the next time your equipment is needed. We therefore, strongly recommend that you take extra time to follow these procedures whenever your attachment will not be used for an extended period of time.

1. Clean the exterior thoroughly removing all mud, dirt and grease.
2. Inspect the unit for visible signs of wear. Order any parts required and make any necessary repairs to avoid delays when starting next season.
3. Tighten all loose screws.
4. Grease all grease fittings.
5. Seal hydraulic system from contaminants.
6. Replace decals if damaged or in unreadable condition.
7. Store the unit in a dry and protected place. Leaving the unit outside will materially shorten its life.

Removing From Storage

1. Remove all protective coverings.
2. Check hydraulic hoses for deterioration and replace if necessary.

MAINTENANCE OF THE EQUIPMENT

Maintenance Safety Precautions

WARNING !

- Do not wear loose clothing or any accessories that can catch in moving parts. If you have long hair, cover or secure it so that it does not become entangled in the equipment.
- Work on a level surface in a well-lit area.
- Use properly grounded electrical outlets and tools.
- Use the correct tools for the job at hand. Make sure they are in good condition for the task required.
- Wear the protective equipment specified by the tool manufacturer.
- Before performing maintenance, lower the attachment to the ground, turn off the engine, remove the key and apply the brakes.
- Never perform any work on the attachment unless you are authorized and qualified to do so. Always read the operator service manual's before any repair is made. After completing maintenance or repair, check for correct functioning of the attachment. If not functioning properly, always tag "DO NOT OPERATE" until all problems are corrected.
- Worn, damaged or illegible safety decals must be replaced. New safety decals can be ordered from WAGGER.
- Never make hydraulic repairs while the system is under pressure. Serious personal injury or death could result.
- Never work under a raised attachment.

Maintenance Procedure

Regular maintenance is the key to long equipment life and safe operation. Maintenance requirements have been reduced to an absolute minimum. However, it is very important that these maintenance functions be performed as described below.

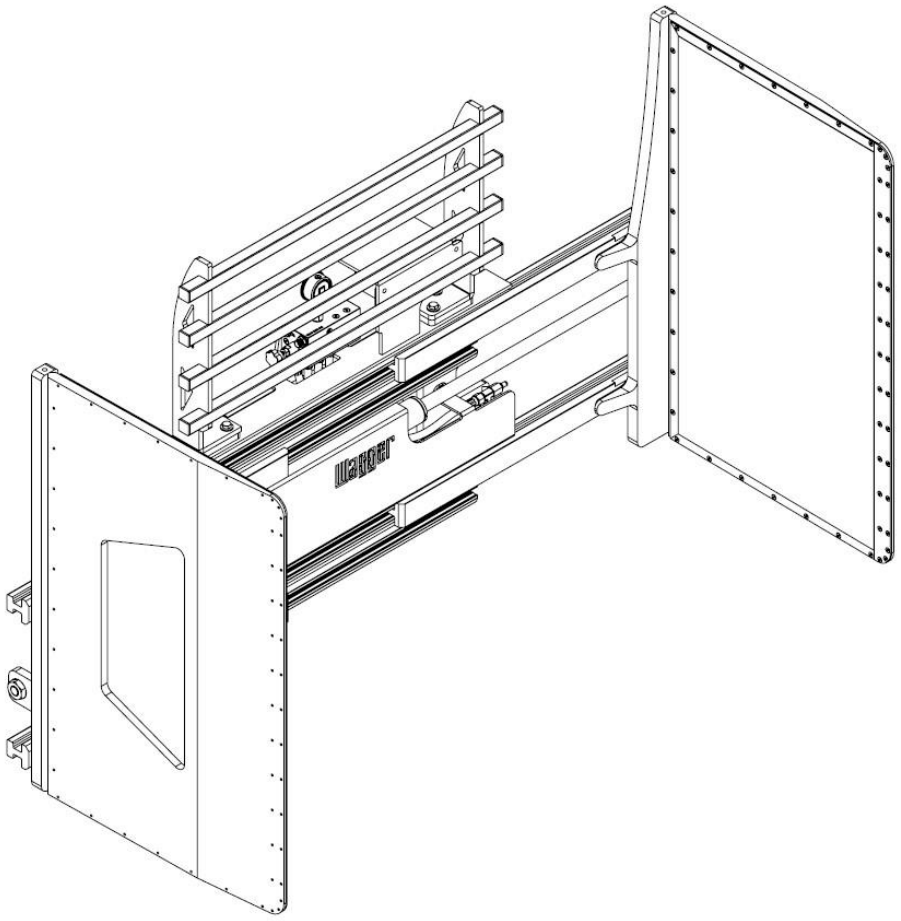
PROCEDURE	DAILY	EVERY 40 HOURS
Check all bolts and nuts for tightness.	✓	
Replace any missing bolts or nuts with approved replacement parts.	✓	
Check hydraulic system for hydraulic oil leaks.	✓	
Visually inspect the equipment for cracked welds and repair as necessary. 	✓	
Check for missing or illegible Safety / Warning Decals.	✓	
Lubricate all grease fittings.		✓

Table 2

HYDRAULIC HOSE REPLACEMENT

WARNING !

Hydraulic fluid at system pressure can injure you. Before connecting or removing any hydraulic hose, residual hydraulic pressure trapped in the service hose line must be vented. Make sure the hose service line has been vented before connecting or removing hoses. Make sure the engine can not be started while the hoses are open. **Read " Use care with hydraulic fluid pressure " section of this manual in page 8.**

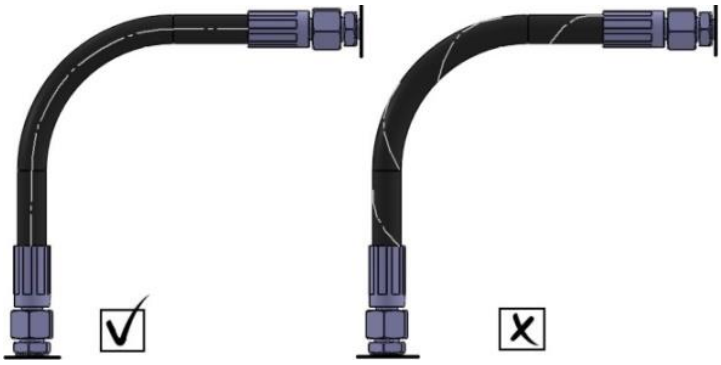
The following information is provided to assist you in the event you should need to replace a hydraulic hose.

Disconnecting the Hydraulic Hose

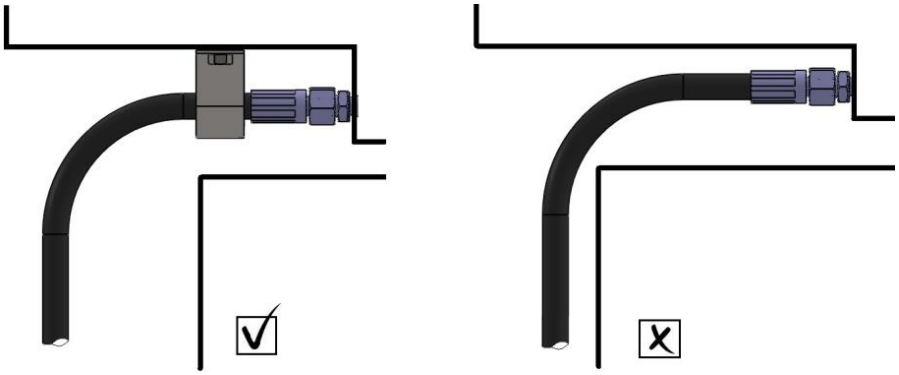
1. Stop the engine.
2. Vent the hydraulic system.
3. Disconnect the hose.

Connecting the Hydraulic Hose

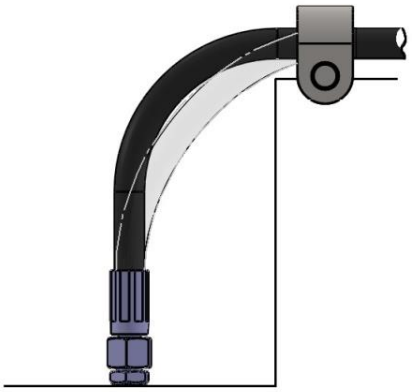
1. Connect the hose.
   a. Make sure that the hose is not twisted. Pressure applied to a twisted hose can cause the hose to fail or the connections to loosen.



   b. Make sure that the hose does not touch hot parts. High ambient temperatures can cause the hose to fail.
   c. Make sure that the hose does not touch parts which can rub or cause abrasion.
   d. Use the hose clamps (where possible) to support long hose runs and keep the hoses away from moving parts, etc.



e. To allow for lenght changes when the hose is pressurised, do not clamp at the bend. The curve absorbs the change.



2. Start the engine
3. Operate the related control to increase the pressure in the hydraulic system.
4. Stop the engine then remove the starter key.
5. Check for indications of leakage at the hose connections.

CYLINDER SEAL REPLACEMENT

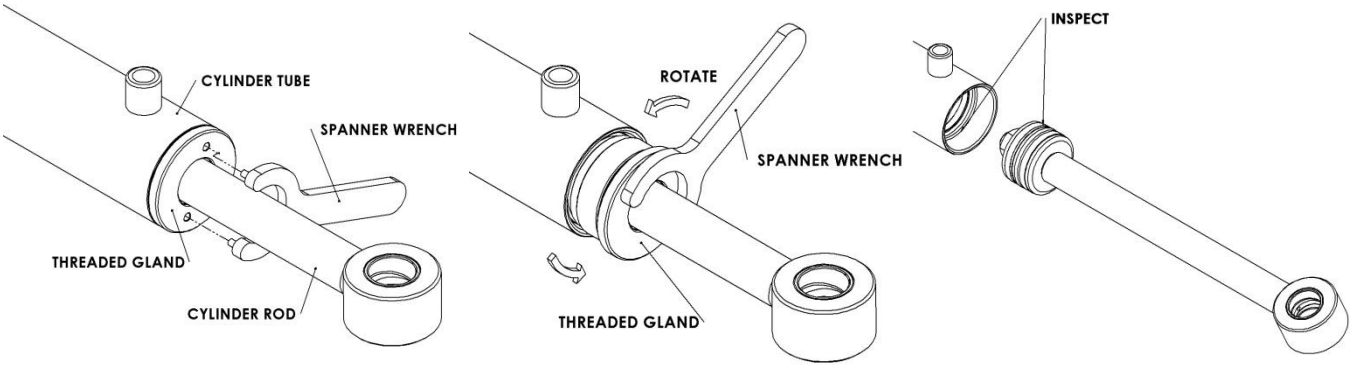
The following information is provided to assist you in the event you should need to repair or rebuild a hydraulic cylinder. When working on hydraulic cylinders, make sure that the work area and tools are clean and free of dirt to prevent contamination of the hydraulic system and damage to the hydraulic cylinders. Always protect the active part of the cylinder rod (the chrome section). Nicks or scratches on the surface of the rod could result in cylinder failure. Clean all parts thoroughly with a cleaning solvent before reassembly.

Disassembly Procedure

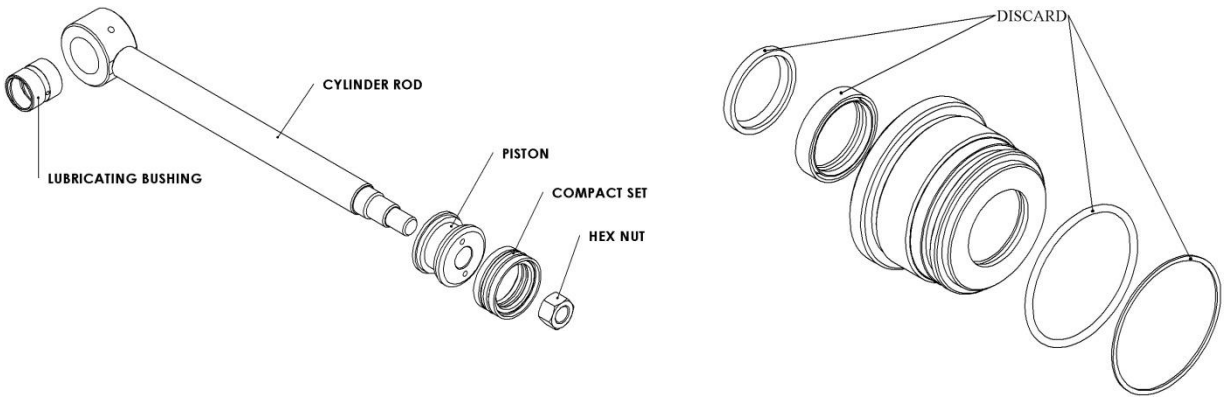
IMPORTANT : Do not contact the active surface of the cylinder rod with the vise. Damage to the rod could result.

THREADED TYPE GLAND

1. Rotate the gland with a spanner wrench counterclockwise until the gland is free of the cylinder tube.
2. Pull the cylinder rod from the cylinder tube and inspect the piston and the bore of the cylinder tube for deep scratches or galling. If damaged, the piston and the cylinder tube must be replaced.



3. Remove the hex nut, piston, flat washer or spacer tube (if so required) and gland from the cylinder rod. If the cylinder rod is rusty, scratched or bent, it must be replaced.
4. Remove and discard all the old seals.



Assembly Procedure

IMPORTANT : Replace all seals even if they do not appear to be damaged. Failure to replace all seals may result in premature cylinder failure.

NOTE: Seal kits will service most cylinders of similar bore size and rod diameter.

1. Install the cylinder rod seal in the gland first. Be careful not to damage the seal in the process, as it is somewhat difficult to install.

NOTE: A special installation tool is available to help with installing the seal. Simply fit the end of the tool over the seal so that the large prong of the tool is on the outside of the seal and the two smaller prongs on the inside. The lip of the seal should be facing towards the tool. Rotate the handles on the tool around to wrap the seals around the end of the tool.

Now insert the seal into the gland from the inner end. Position the seal in its groove, and release and remove the tool. Press the seal into its seat the rest of the way by hand.

2. Install the new piston ring, rod wiper, O-rings and backup washers, if applicable, on the piston.

Be careful not to damage the seals. Caution must be used when installing the piston ring. The ring must be stretched carefully over the piston with a smooth, round, pointed tool.

3. After installing the rod seal inside the gland, as shown in below Picture, install the external seal.

4. Slide the gland onto the cylinder rod, being careful not to damage the rod wiper. Then install the spacer or flat washer (if so equipped), small o-ring, piston and hex nut onto the end of the cylinder rod.

5. Secure the cylinder rod (mounting end) in a vise with a support at its center.

6. Apply a lubricant to the piston and teflon ring. Insert the cylinder rod assembly into the cylinder tube.

IMPORTANT : Ensure that the piston ring fits squarely into the cylinder tube and piston groove, otherwise the ring may be damaged and a leak will occur.

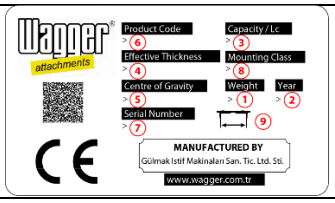
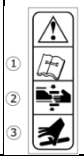
7. Use a spanner wrench to rotate the gland clockwise into the cylinder. Continue to rotate the gland with the spanner wrench until it is tight.

TROUBLESHOOTING

PROBLEM	POSSIBLE CAUSE	POSSIBLE SOLUTION
CSR clamp will not operate.	Auxiliary hoses not hooked up to the telehandler.	Engage Couplers.
	Obstruction in hydraulic lines.	Remove obstruction and replace if necessary.
Leaking oil.	Loose or damaged hydraulic line.	Tighten or replace.
	O-Rings on fittings damaged.	Replace if necessary.
	Fittings loose or damaged.	Tighten or replace.
	Cylinder seal damaged.	Replace cylinder seals.
Insufficient power.	Insufficient hydraulic flow from the telehandler.	Refer to telehandler's owners manual.
	Relief valve setting adjusted too low.	Refer to telehandler's owners manual.
	Oil filter on telehandler is dirty.	Refer to telehandler's owners manual.
Cylinders operate in the wrong direction.	Hoses from the valve to the telehandler incorrectly connected.	Switch couplers.
A hydraulic cylinder not operating.	Insufficient hydraulic flow from the telehandler.	Refer to telehandler's owners manual.
	Cylinder rod bent.	Visually inspect the cylinder for damage.
	Cylinder seals damaged.	Replace cylinder seals.
	Obstruction in hydraulic lines.	Remove obstruction and replace if necessary.
Hydraulic cylinders only operating in one direction.	Contaminants in the hydraulic system and solenoid valve.	Remove spool from solenoid valve and check for foreign material. Clean and replace.

DECAL PLACEMENT

The drawing on this page shows the location of the decals used on CSR clamp**.** The decals are identified by their part numbers, with reductions of the actual decals located on this page. Use this information to order replacements for lost or damaged decals. Be sure to read all decals before operating the CSR clamp. They contain information you need to know for both safety and attachment longevity.

PART NO	DESCRIPTION	IMAGE
2311	**LUBRICATION POINT**	
2312	**BRAND NAME**	
2313	**NAME PLATE**	
2314	**WARNING**	 1. Carefully read the manual before using the equipment and undertaking the maintenance operations. 2. Risk of limb crushing. 3. Pressurized liquids.

IMPORTANT: Keep all safety decals clean and legible. Replace all missing, illegible or damaged safety decals.

REPLACING SAFETY DECALS : Clean the area of application with a nonflammable solvent, then wash the same area with soap and water. Allow the surface to dry. Remove the backing from the safety decals, exposing the adhesive surface.

WARRANTY

For a period of 12 months, or 2.000 work hours (whicever comes first), from the date of delivery to customer, Wagger Attachments, at its option, will repair or replace for the original purchaser, free of charge, any part or parts of the attachment found, upon examination by Wagger Attachments, to be defective in material or workmanship, or both.

This warranty does not apply if such defect has been caused by alteration, improper use, failure to provide proper maintenance or operation contrary to Wagger Attachment's installation and service instructions. There is no other express warranty.

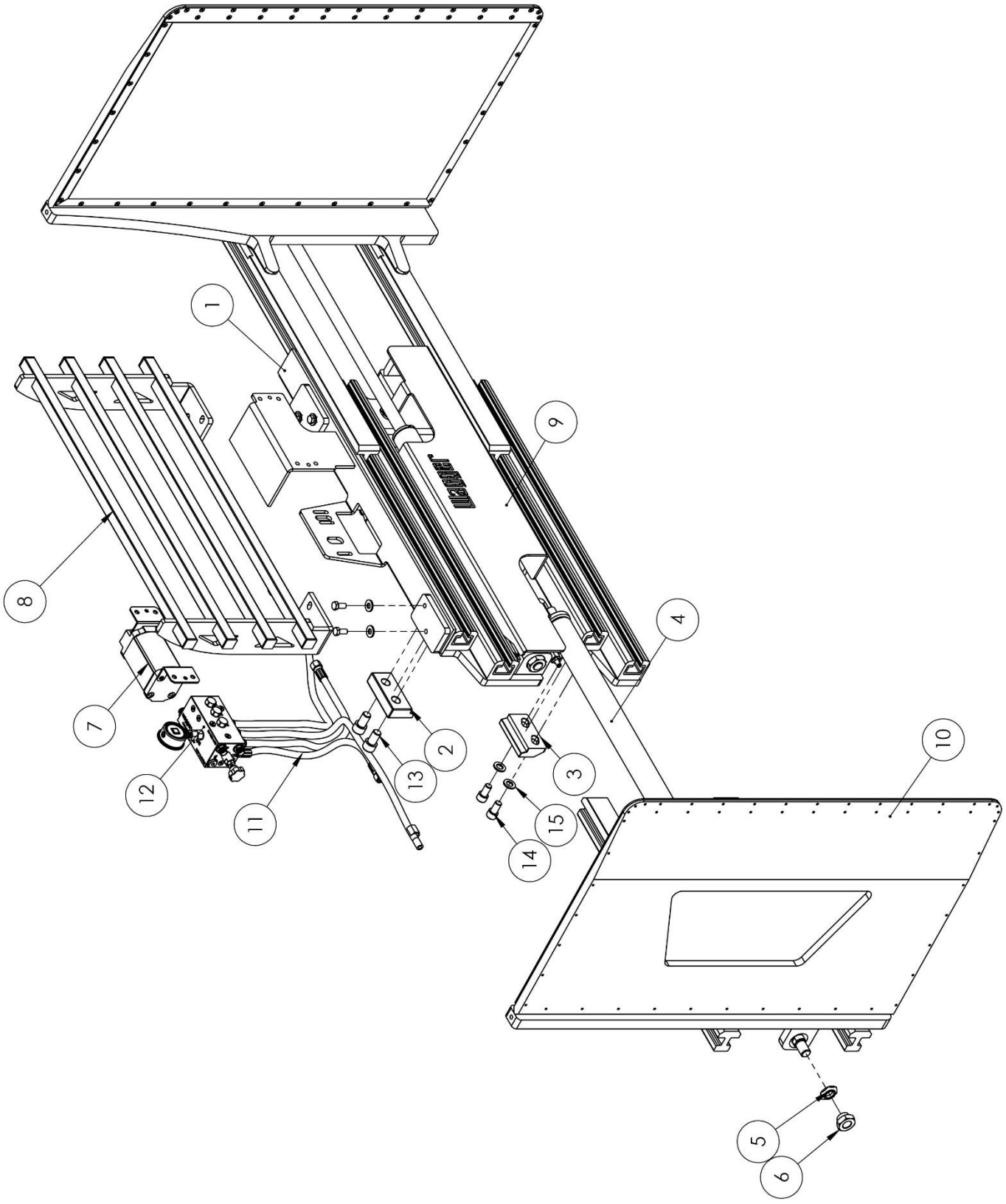
Wagger Attachments assumes no responsibility for damage or injury, either direct or consequential, resulting from or occasioned by possession or use of its products.

In case of dispute or controversy, resolution of such dispute shall fall under the legal jurisdiction of the Court of the city where the goods were manufactured.

END OF LIFE DISPOSAL

At the completion of the useful life of the unit, drain all fluids and dismantle by separating the different materials (rubber, steel, plastic, etc.). Follow all federal, state and local regulations for recycling and disposal of the fluid and components.

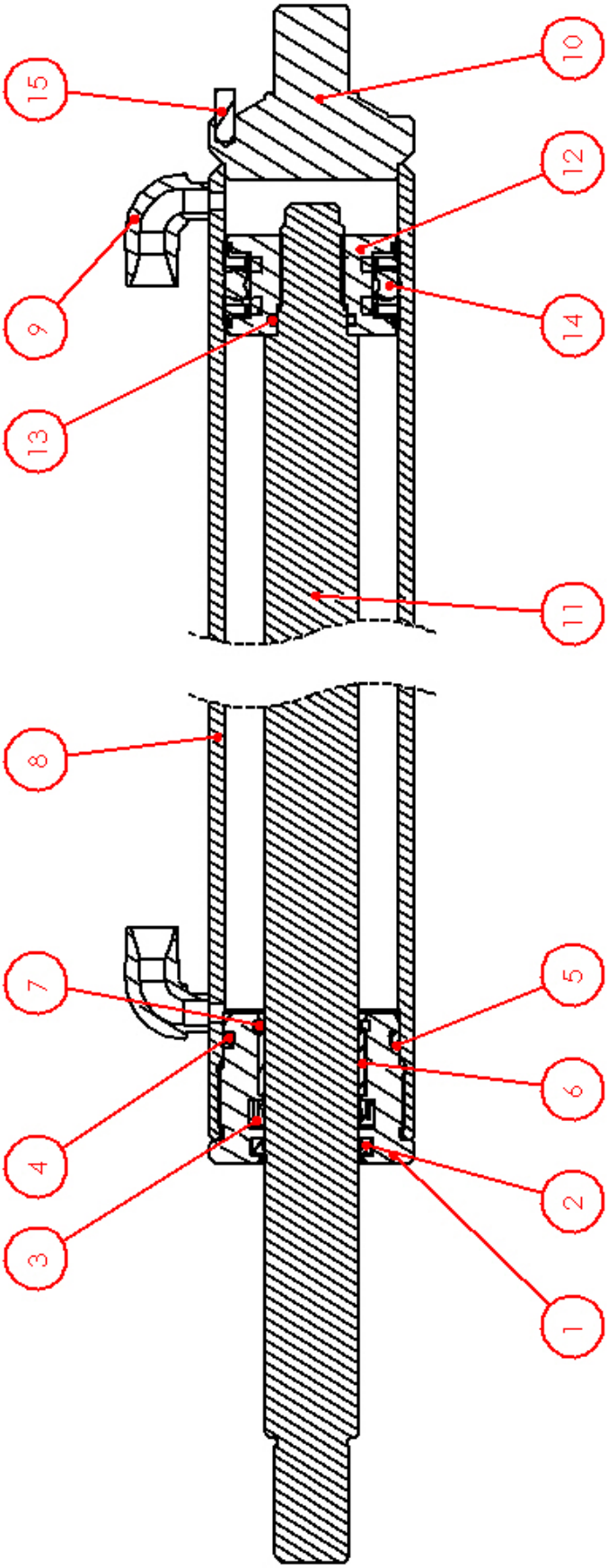
ASSEMBLY OF FORK CLAMP – CSR



LIST OF SPARE PARTS – FLCANNHLCASI

REF.	PART NO	DESCRIPTION	QTY.
1	1-3-18 CSR-01-01-02	FRAME	1
2	HK209	UPPER HOOK	2
3	HK208	LOWER HOOK	2
4	1-3-18 CSR-04-01-01	CYLINDER ASSY'	2
5	1-Özel M24x1.5 somun kısa	NUT	2
6	FZNI111-030	NUT	4
7	1-CASAPPA PLD20-6.3	FLOW DIVIDER	1
8	1-3-18 CSR-06-01	LOAD BACKREST	4
9	1-3-18 CSR-15-01	CYLINDER BUMPER	1
10	1-3-18 CSR-02-01-02	ARM	2
11	HRTCSR	HOUNSING GROUP	1
12	VALVE - 1455	VALVE	1
13	CHSM20035-J6T0	CAPSCREW	4
14	CHSM16030-H6T0	CAPSCREW	4
15	PL16-3	WASHER	4

MOUNTING KIT INSTALLATION - CYLINDER ASSEMBLY



LIST OF SPARE PARTS - SC6530A

ITEM	CODE	DESCRIPTION	Q.TY
1	SC6530A-Gland(Kep)	GLAND	1
2	Ø30xØ38-7-Wiper Ring(Toz keçesi)	WIPER RING	1
3	Ø30xØ40-8-Seal(Yağ Keçesi)	SEAL	2
4	Ø49x3.53-O-ring	O-RING	1
5	Ø51xØ56-1.5-Back-up Ring(Yastık)	BACK-UP RING	2
6	Ø65xØ55-Bushing(Burç)	BUSHING	1
7	Ø3xØ31-O-ring	O-RING	1
8	SC6530A-Shell(Boru)	SHELL	1
9	Nipel 90°	NIPEL	1
10	SC6530A-Back Gland	BACK GLAND	1
11	SC6530A-Rod(Mil)	ROD	1
12	SC6530A-Piston	PISTON	1
13	Ø22x3-O-ring	O-RING	1
14	0143-34-50-20,50-Compact Set	COMPACT SET	1
15	SC6530A-Pim	PIM	1

PARTS ORDERING LOG

DATE	PURCHASE ORDER NO	SERIAL NUMBER	PAGE	REF. NO	QTY.	PARTS NO	DESCRIPTION	PRICE

DATE: **FILLED BY:** **SIGNATURE:** **ATTENTION TO:**