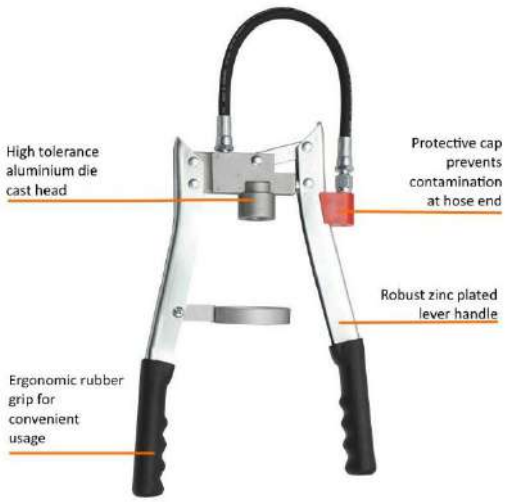
LUBRETEC PRODUCTINFORMATION

The double lever grease gun (GE-IG042795)

Why the double lever grease gun is the professional's tool of choice

Bearing failures account for a significant share of unplanned downtime in industrial and agricultural operations. In many cases, the root cause is not the wrong grease, but the wrong application tool. A grease gun that traps air, wastes lubricant, or delivers inconsistent pressure can quietly undermine even the most carefully planned maintenance programme.

Yet the grease gun is one of the most overlooked tools in the workshop. Budget is readily spent on premium lubricants, precision instrumentation, and contamination control systems, while the humble grease gun is purchased as an afterthought. The result is poor lubrication delivery, overpacked or underpacked bearings, and premature equipment failure. The double lever grease gun (GE-IG042795), available through LubeworX, addresses each of these issues directly.



Built around a vacuum cartridge system and a high-tolerance aluminium die-cast head, it is engineered to deliver precise, high-pressure greasing without the common frustrations of conventional tools.

This PDS explains how it works, what sets it apart, and who stands to benefit most.

The problem with conventional grease guns

Standard plunger-type grease guns have served workshops for decades, but they come with a familiar set of frustrations. Understanding these issues is the first step towards choosing a tool that performs consistently in the field.

Air lock and priming failures

One of the most common complaints with conventional grease guns is air becoming trapped between the pump and the cartridge. When this happens, the lever strokes feel normal but no grease reaches the fitting. Operators may apply dozens of strokes to a bearing point, unaware that it is receiving nothing at all. The result is an under-lubricated bearing that runs hot, wears prematurely, and eventually fails.

Priming a conventional gun after a cartridge change is also time-consuming and wasteful, often requiring multiple dry strokes before grease begins to flow reliably.

Wasted grease and incomplete cartridge emptying

Conventional designs frequently leave a significant amount of grease behind when a cartridge appears empty. The grease remaining around the edges and base of the cartridge is simply discarded. Over time, across a maintenance team and a fleet of machines, this adds up to a measurable cost in wasted product.

Inconsistent pressure and messy reloads

Without a sealed cartridge system, conventional grease guns can deliver varying output pressure from stroke to stroke, making it difficult to apply the correct quantity of grease to each point. Cartridge changes are also prone to spillage, creating contamination risks and a messier work environment.

How the double lever mechanism changes the game

The double lever design solves several problems at once. By using **two zinc-plated lever handles** working in tandem, the mechanism provides a significant mechanical advantage over single-lever or pistol-grip designs.

This mechanical advantage means that:

- High working pressures are achievable with less effort per stroke
- Output is more consistent across each pump cycle
- Operator fatigue is reduced during extended maintenance rounds
- Greater control is maintained when applying grease to tight or awkward fittings

With a maximum working pressure of 7,500 PSI (517 bar) and a delivery rate of 0.8 g per stroke, the GE-IG042795 is well suited to challenging applications where other tools struggle to push grease past blocked or compressed fittings.

The vacuum cartridge system explained

The most technically significant feature of this grease gun is its vacuum cartridge system. Where conventional designs rely on a spring-loaded follower plate to push grease into the pump, the vacuum system works differently.

As the lever is operated, the pump action creates a partial vacuum within the cartridge chamber. This negative pressure actively draws grease towards the pump inlet, rather than relying purely on spring pressure from behind. The practical consequences are considerable.

No priming required

Because the vacuum actively pulls grease into position, there is no need to prime the gun after a cartridge change. Greasing can resume immediately, saving time during busy maintenance windows.

Complete cartridge utilisation

The vacuum draw ensures that grease is pulled efficiently from the full volume of the cartridge, including the sides and base. Cartridges empty more completely, reducing waste and lowering the cost per lubrication point over time.

Zero air lock

Trapped air is no longer a concern. The sealed cartridge design and vacuum mechanism work together to eliminate the air pockets that cause dry strokes and unreliable output with conventional tools.

F-type cartridge compatibility

The GE-IG042795 is designed for use with F-type threaded grease cartridges in the standard 500 g size. The spin-on cartridge design means reloading is fast, clean, and requires no disassembly of the head. There is no need to unscrew components or risk contaminating the pump mechanism during changeover.

Built for professional environments: key design features

Every component of the GE-IG042795 reflects the demands of real-world workshop, field, and industrial use.

High-tolerance aluminium die-cast head

The pump head is machined from aluminium die-cast material to close tolerances. This construction provides the strength to withstand sustained high-pressure operation while keeping the overall weight manageable. The tight manufacturing tolerances also reduce the risk of internal leaks, ensuring that all generated pressure translates directly into grease delivery.

Robust zinc-plated lever handles

The lever handles are manufactured from steel and finished with zinc plating for corrosion resistance. This makes the gun suitable for outdoor environments, workshops where moisture is present, and agricultural settings where exposure to weather and chemicals is commonplace.

Ergonomic rubber grips

Both handles are fitted with ergonomic rubber grips that provide a secure hold even in wet or oily conditions. This reduces the risk of slipping during operation and makes extended greasing sessions more comfortable, which is especially valuable for maintenance teams servicing large numbers of bearings in a single shift.

Protective cap at the hose end

A protective cap is fitted to the hose outlet when not in use. This prevents contamination entering the hose end between applications, protecting the integrity of the grease being delivered. In environments where cleanliness codes are enforced, this detail matters.

Minimal internal connections

The gun has been designed with the fewest possible internal connections. Each connection point in a grease gun is a potential leak path or contamination ingress point. By minimising these, the GE-IG042795 reduces maintenance requirements and extends service life.

Technical specifications at a glance

Specification	Detail
Product code	GE-IG042795
Type	Manual grease gun
Mechanism	Double lever
Maximum pressure	7,500 PSI / 517 bar
Grease output	0.8 g per stroke (1 oz per 35 strokes)
Cartridge capacity	500 g
Cartridge type	F-type threaded (screw-on)
Thread	1/8″ BSPT
Hose length	12″ (300 mm)
Hose diameter	0.425″ (11 mm) heavy-duty
Head material	Aluminium die-cast
Handle finish	Zinc-plated steel
Grip material	Ergonomic rubber
Included accessories	12″ heavy-duty hose, 4-jaw coupler

What is included in the box

The GE-IG042795 is supplied as a complete, ready-to-use kit requiring no additional purchases before first use.

- Double lever grease gun with aluminium die-cast head
- 12″ (300 mm) heavy-duty flexible hose
- 4-jaw professional hydraulic coupler

The 4-jaw coupler provides a secure, positive connection to standard grease nipples and is designed for repeated high-pressure use without degradation. The heavy-duty hose allows access to fittings in confined spaces, angled positions, or hard-to-reach locations.

Where this grease gun performs best

The GE-IG042795 is a versatile tool that delivers value across a range of sectors and maintenance environments. It is particularly well suited to:

- **bearings, gearboxes, conveyors, and rotating equipment in manufacturing and processing plants -** Industrial maintenance
- **tractors, harvesters, loaders, and other heavy farm machinery requiring regular greasing in outdoor conditions -** Agriculture and farming
- **excavators, cranes, compactors, and site machinery where high-pressure greasing is essential -** Construction equipment
- **workshop and fleet maintenance covering chassis points, suspension components, and universal joints -** Automotive servicing
- **for any professional or serious user requiring reliable, mess-free greasing with consistent output -** General workshop use

The combination of high-pressure capability, clean cartridge changeover, and vacuum-assisted delivery makes this gun particularly valuable in environments where **maintenance windows are short and reliability is non-negotiable.**

Tips for getting the most from your grease gun

A high-quality grease gun delivers its full value only when used correctly. Keep the following in mind to maximise performance and service life.

- Always use the correct **grease type** for the application. The gun delivers grease precisely, but the product itself must match the bearing's specification for temperature range, load, and speed.
- Keep the **hose cap** in place whenever the gun is not in use. This prevents contamination entering the system between applications.
- **Store** the gun with grease in the cartridge and the hose connected, to maintain internal pressure and prevent the pump from drying out.
- **Inspect** the 4-jaw coupler regularly for wear or damage. A worn coupler can cause grease to bypass the nipple rather than entering the bearing housing.

- Use correct **hand-tight torque** on the spin-on cartridge. Overtightening is unnecessary and can damage the thread.

Conclusion

Grease gun selection is a small decision with a disproportionate impact on lubrication reliability. A tool that traps air, wastes grease, or delivers inconsistent pressure undermines the value of even the most rigorous maintenance programme. The double lever grease gun (GE-IG042795) eliminates each of these failure modes through its vacuum cartridge system, high-tolerance aluminium head, and robust double lever mechanism.

For maintenance professionals who work to reliability-centred principles, who understand the true cost of contamination and application error, and who cannot afford delays caused by priming failures or wasted product, this is the grease gun that earns its place in the workshop.

The GE-IG042795 is available now from LubeworX at **lubeworx.com**. For questions about compatibility, bulk orders, or lubrication tool selection, get in touch with the Lubretec team directly.

Ready to upgrade your greasing equipment?

View the full product page, explore the complete LubeworX range of lubrication tools, or speak to the Lubretec team for expert guidance tailored to your maintenance environment.

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