

LSL Injectors

The Lubrication Scientifics, designed and manufactured LSL injector range offer unrivalled heavy duty performance



INFINITE POSSIBILITIES



Why LSL Over other Injector Brands

The LSL-32, LSL-1, LSL-R5, LSL-HO & LSL-11 injectors, put simply out-spec the competition by offering higher performance, more standard inclusions, more options and better service life than competitor brands.

LSL-32 injectors

Out-Spec the competition

- ✓ They have 50% higher grease output than competitor brands within the same frame size
- ✓ They are made in 303 SS vs zinc plated steel used on competitor brands
- ✓ They have a manual lube port for an optional grease nipple not offered by competitor brands
- ✓ They are available in standard and high vent versions with the high vent versions reset pressure 3 times other standard versions and 50% higher than other competitor high vent injectors. (equal to SL-1 injectors)
- ✓ They are available in banks from 1 injector to 10 injectors where other competitor brands only go up to 4 injectors
- ✓ They have an optional cross porting bar for joining two injectors thus providing outputs of 3 times other competitor brands. These crossporting options are not offered by competitor brands
- ✓ The LSL-32 injectors indicator pins are parallel to the lubrication outlet and not perpendicular thus providing additional impact resistance over competitive brands
- ✓ The LSL-32 injectors have optional colour coded spectrum sleeves not offered by competitor brands



Part No.	Description	Part No.	Description
LSL-32M-M1-A1-303	1 Bank 1/8 NPT F output	LSL-32M-M10-A1-303	10 Bank 1/8 NPT F output
LSL-32M-M2-A1-303	2 Bank 1/8 NPT F output	LSL-32M-CAPV	Replacement vinyl cap
LSL-32M-M3-A1-303	3 Bank 1/8 NPT F output	LSL-32-CPK-21-A1-303	Outlet Crossport Kit
LSL-32M-M4-A1-303	4 Bank 1/8 NPT F output	L90471-ORS-303	303 SS ORS manual lube capped grease nipple
LSL-32M-M5-A1-303	5 Bank 1/8 NPT F output	LSL-32-ADJ1	25% Gold coloured sleeve 5-pack
LSL-32M-M6-A1-303	6 Bank 1/8 NPT F output	LSL-32-ADJ2	50% Purple coloured sleeve 5-pack
LSL-32M-M7-A1-303	7 Bank 1/8 NPT F output	LSL-32-ADJ3	75% Red coloured sleeve 5-pack
LSL-32M-M8-A1-303	8 Bank 1/8 NPT F output	LSL-32-ADJ4	100% Blue coloured sleeve 5-pack
LSL-32M-M9-A1-303	9 Bank 1/8 NPT F output		

The above parts are for basic 303 SS with 1/8" NPT F outlets, for all other components, outlet threads and factory high vent units see product manual



INFINITE POSSIBILITIES

Injector Performance Issues Solved

Why LSL Over other Injector Brands

Spectrum Sleeve



LSL-1A injectors

Out-Spec the competition

- ✓ They are rated to 5000-psi whereas competitive brands are only rated to 3500-psi
- ✓ The springs are made from chrome silicon valve wire with significantly higher service life than competitor brands
- ✓ They have significantly greater flow paths than competitor brands meaning they reset much quicker and are not prone to waxing like other units
- ✓ They come standard with dust caps unlike competitor brands where these are sold separately at up to 16% of the replacement injector cost
- ✓ They have a honed valve assembly compared with the rubber packing design used by competitor brands.

Part No.	Description	Part No.	Description
LSL-1A-000	Standard LSL-1 manifold replacement injector	LSL-M1-000	1 Injector Bare Manifold 1, R5, HO
LSL-M1A-000	1 Injector Manifold assembly	LSL-M2-000	2 Injector Bare Manifold 1, R5, HO
LSL-M2A-000	2 Injector Manifold assembly	LSL-M3-000	3 Injector Bare Manifold 1, R5, HO
LSL-M3A-000	3 Injector Manifold assembly	LSL-M4-000	4 Injector Bare Manifold 1, R5, HO
LSL-M4A-000	4 Injector Manifold assembly	LSL-M5-000	5 Injector Bare Manifold 1, R5, HO
LSL-M5A-000	5 Injector Manifold assembly	LSL-M6-000	6 Injector Bare Manifold 1, R5, HO
LSL-M6A-000	6 Injector Manifold assembly	LSL-I-000	LSL-1 standalone injector 3/8" » NPT M inlet
LSL-1A-ADJ1	25% Gold coloured sleeve 1 & R5 5-pack	LSL-1A-CAPV	Replacement vinyl cap
LSL-1A-ADJ2	50% Purple coloured sleeve 1 & R5 5-pack	LSL-1A-PLUG	Injector manifold plug
LSL-1A-ADJ3	75% Red coloured sleeve 1 & R5 5-pack	LSL-1A-CPK	Injector cross porting connector tube
LSL-1A-ADJ4	100% Blue coloured sleeve 1 & R5 5-pack	L90471-NPT-303	303 SS NPT manual lube capped grease nipple

The above parts are for basic zinc plated carbon steel with NPT F outlets, for all other components, outlet threads and factory special configurations see product manual



INFINITE POSSIBILITIES

Injector Performance Issues Solved

Why LSL Over other Injector Brands



LSL-R5 injectors

Out-Spec the competition

- ✓ They are rated to 6000-psi which matches the highest pressure ratings of all competitor brands but at a fraction of the cost
- ✓ The springs are made from chrome silicon valve wire with significantly higher service life than competitor brands
- ✓ They don't have negative pressure ratios like other competitor brands which means more output pressure for the same inlet pressures
- ✓ They have a honed valve assembly compared with the rubber packing design used by competitor brands

Part No.	Description	Part No.	Description
LSL-1A-000-R5	Standard LSL-R5 replacement injector	LSL-M1-000	1 Injector Bare Manifold for 1, R5, HO
LSL-M1A-000-R5	1 Injector Manifold assembly	LSL-M2-000	2 Injector Bare Manifold for 1, R5, HO
LSL-M2A-000-R5	2 Injector Manifold assembly	LSL-M3-000	3 Injector Bare Manifold for 1, R5, HO
LSL-M3A-000-R5	3 Injector Manifold assembly	LSL-M4-000	4 Injector Bare Manifold for 1, R5, HO
LSL-M4A-000-R5	4 Injector Manifold assembly	LSL-M5-000	5 Injector Bare Manifold for 1, R5, HO
LSL-M5A-000-R5	5 Injector Manifold assembly	LSL-M6-000	6 Injector Bare Manifold for 1, R5, HO
LSL-M6A-000-R5	6 Injector Manifold assembly	LSL-I-000-R5	LSL-R5 standalone injector 3/8" » NPT M inlet
LSL-1A-ADJ1	25% Gold coloured sleeve 1 & R5 5-pack	LSL-1A-CAPV	Replacement vinyl cap
LSL-1A-ADJ2	50% Purple coloured sleeve 1 & R5 5-pack	LSL-1A-PLUG	Injector manifold plug
LSL-1A-ADJ3	75% Red coloured sleeve 1 & R5 5-pack	LSL-1A-CPK	Injector cross porting connector tube
LSL-1A-ADJ4	100% Blue coloured sleeve 1 & R5 5-pack	L90471-NPT-303	303 SS NPT manual lube capped grease nipple

The above parts are for basic zinc plated carbon steel with NPT F outlets, for all other components, outlet threads and factory special configurations see product manual



INFINITE POSSIBILITIES

Injector Performance Issues Solved

Why LSL Over other Injector Brands

Spectrum Sleeve



LSL-HO injectors

Out-Spec the competition

- ✓ They are rated to 6000-psi which matched the highest pressure ratings of all competitor brands but at a fraction of the cost
- ✓ The springs are made from chrome silicon valve wire with significantly higher service life than competitor brands
- ✓ They don't have negative pressure ratios like other competitor brands which means more output pressure for the same inlet pressures
- ✓ They have a honed valve assembly compared with the rubber packing design used by competitor brands
- ✓ LSL-1A-000-HO-LM5 Liebherr replacement injectors available to suit LM5 manifolds not offered by competitor brands

Part No.	Description	Part No.	Description
LSL-1A-000-HO	Standard LSL-HO replacement injector	LSL-M1-000	1 Injector Bare Manifold for 1, R5, HO
LSL-M1A-000-HO	1 Injector Manifold assembly	LSL-M2-000	2 Injector Bare Manifold for 1, R5, HO
LSL-M2A-000-HO	2 Injector Manifold assembly	LSL-M3-000	3 Injector Bare Manifold for 1, R5, HO
LSL-M3A-000-HO	3 Injector Manifold assembly	LSL-M4-000	4 Injector Bare Manifold for 1, R5, HO
LSL-M4A-000-HO	4 Injector Manifold assembly	LSL-M5-000	5 Injector Bare Manifold for 1, R5, HO
LSL-M5A-000-HO	5 Injector Manifold assembly	LSL-M6-000	6 Injector Bare Manifold for 1, R5, HO
LSL-M6A-000-HO	6 Injector Manifold assembly	LSL-1-000-HO	LSL-HO standalone injector 3/8" » NPT M inlet
LSL-HO-ADJ1	25% Gold coloured sleeve HO 5-pack	LSL-1A-CAPV	Replacement vinyl cap
LSL-HO-ADJ2	50% Purple coloured sleeve HO 5-pack	LSL-1A-PLUG	Injector manifold plug
LSL-HO-ADJ3	75% Red coloured sleeve HO 5-pack	LSL-1A-CPK	Injector cross porting connector tube
LSL-HO-ADJ4	100% Blue coloured sleeve HO 5-pack	L90471-NPT-303	303 SS NPT manual lube capped grease nipple

The above parts are for basic zinc plated carbon steel with NPT F outlets, for all other components, outlet threads and factory special configurations see product manual



INFINITE POSSIBILITIES

Injector Performance Issues Solved

Why LSL Over other Injector Brands



LSL-11 injectors

Out-Spec the competition

- ✓ They are rated to 5000-psi whereas competitive brands are only rated to 3500-psi
- ✓ The springs are made from chrome silicon valve wire with significantly higher service life than competitor brands
- ✓ They come standard with dust caps unlike competitor brands where these are sold separately at up to 3% of the replacement injector cost

Part No.	Description	Part No.	Description
LSL-11-000	Standard LSL-11 stand alone injector 1/2" NPT F	L90471-NPT-303	303 SS NPT manual lube capped grease nipple
LSL-11-CAPV	Replacement vinyl cap		

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INFINITE POSSIBILITIES

Injector Performance Issues Solved

LSL Configurations & Features

LSL injectors are available in a range of configurations to suit almost any application (Including retrofitting to existing systems) and in many systems can work without the need for changing any other system components. Simply select the outlet volumes you require and order the components or factory assembled banks accordingly.

MOST RELIABLE, MOST FLEXIBLE & BEST VALUE

Four Different Displacement Options

- ✓ **LSL-32**
Max 0.196-cc/cycle
Min 0.016cc/cycle
- ✓ **LSL-HO**
Max 5.0-cc/cycle
Min 0.50cc/cycle
- ✓ **LSL-1 & R5**
Max 1.31-cc/cycle
Min 0.131cc/cycle
- ✓ **LSL-11**
Max 8.2-cc/cycle
Min 0.82-cc/cycle

Three material selections for all injectors

- ✓ Zinc plated Steel
- ✓ 303 stainless
- ✓ 316 stainless



Standard Features

- ✓ All come standard with dust caps (unlike other brands)
- ✓ All are compatible with competitor manifolds including the LM5 adaptor option adapting to Liebherr manifolds
- ✓ All manufactured in USA from the highest quality steels
- ✓ All have manual lube provisions
- ✓ LSL-32, 1, R5, HO all available with adjustment spectrum sleeves

Call your local  distributor today for more details, testimonies, application specific pump/system designs and quotes.



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ifield.com.au



Innovation is in our DNA.

One of the most respected engineers of his time with over 250 provisional patents and over 112 accepted as world wide patented inventions, Richard Joseph (Dick) Ifield's engineering heritage lives on through the direct family lineage to Ifield Products.

As an accomplished inventor, Dick's most famous invention, a fuel pump known as the Ifield Pump was to become standard equipment on jet aircraft from Whittle's first jet engine through to the Concorde. This invention alone earned Lucas Industries millions of pounds through their own sales and through the sale of manufacturing licenses.

Through Ifield products we continue Dick's legacy through constant unrelenting innovation as we work with our industry partners on developing engineering solutions.

Our vision is to provide a gateway for innovation to flow from inventor to manufacture and manufacture to global distribution. Our win-win attitude and belief in transparency ensures all relationships are built on trust.

Uncompromised integrity is the cornerstone of all policy and relationships. Only manufacturers and distributors that share this vision will join our network and value solutions will flow globally to end users.



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