

# 11

## LUBRICANTS, SEALANTS & CHEMICALS



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## GREASE GUN SELECTION GUIDE

### GREASE GUNS CAN BE POWERED BY HAND, AIR OR BATTERY.

Hand-powered (or manual) grease guns can either be manufactured with a lever or a trigger grip. There are benefits to each of these, depending on the job at hand and workers' preference. A major variation to grease guns is how they are loaded – by suction fill, cartridge or bulk (requiring a pump).

#### Lever – Manual

This is the most common type of grease gun and supplies approximately 1.28g of grease per pump and generally has a higher maximum pressure rating.

#### Trigger – Manual

This variation of the lever-type grease gun allows the user to pump with one hand. It provides approximately 0.86g per pump.

#### Trigger – Pneumatic

This grease gun uses compressed air directed into the gun via a hose, dispensing grease with each pull of the trigger.

#### Trigger – Battery

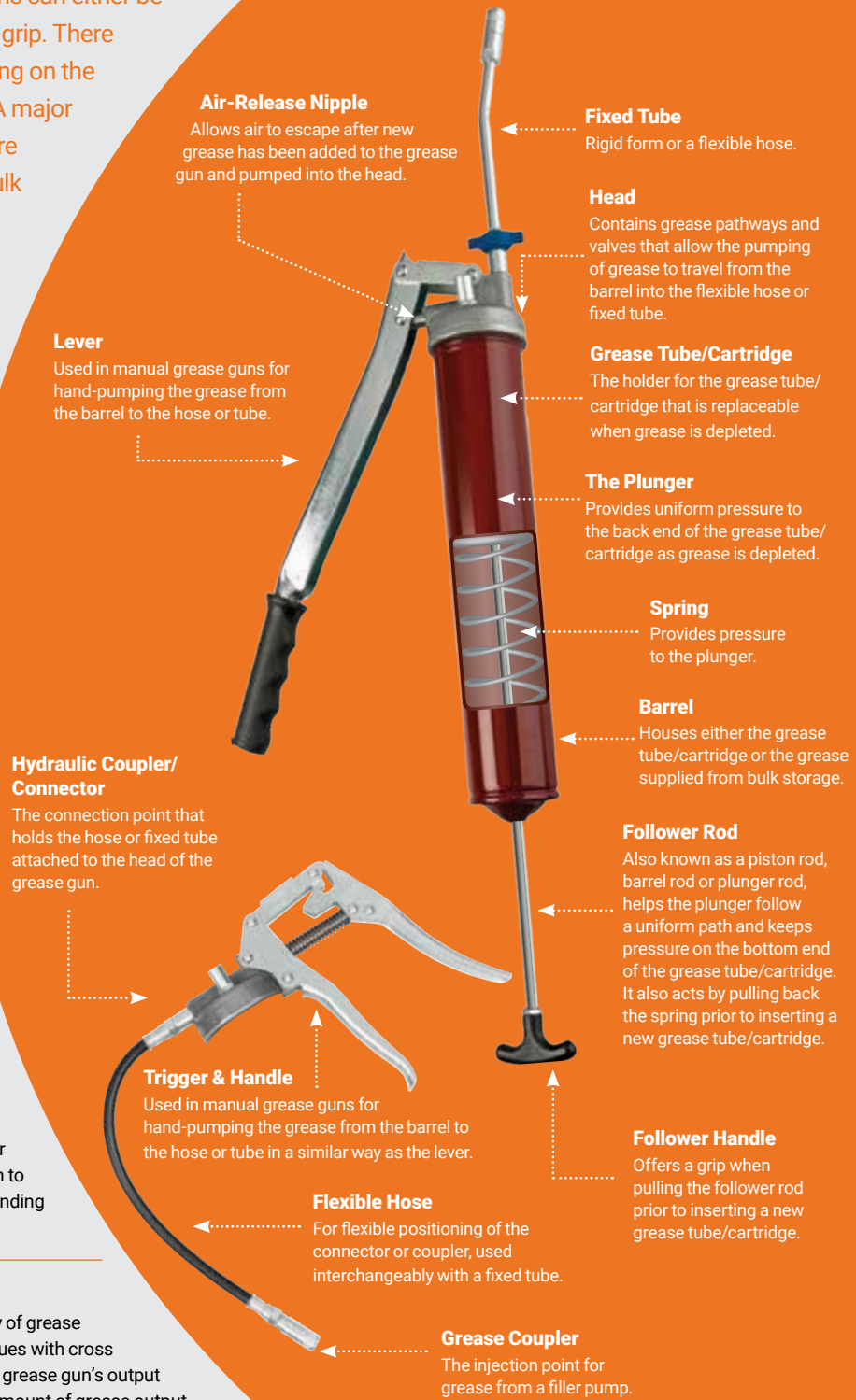
This low-voltage, battery-powered grease gun works similarly to the pneumatic grease gun, but has the benefit of being cordless. Check the output of a grease gun before purchasing.

Grease is an excellent lubricant because it clings to a machine's moving surfaces without easily leaking away. The filling and refilling of grease in grease-lubricated machines must be treated differently than that of oil-lubricated machines. It is important to know the signs of over greasing, as well as under greasing and, how often to reapply. This knowledge can go a long way in extending your machinery's life.

#### How Output Is Measured

It is common for workshops to have a wide variety of grease gun types, makes and models. This can cause issues with cross contamination and inaccurate knowledge of each grease gun's output per stroke. Grease guns are known to vary in the amount of grease output from 0.5g to more than 3g. This variation depends on factors such as the type, model and age of the grease gun.

### ANATOMY OF A GREASE GUN



## PUSH TYPE GREASE GUN

- For use with bulk grease only
- Steel body construction and compact in size
- Ideal for greasing impact wrenches, lawn mowers, chain saws, trailers, ATVs and other vehicles
- Comes complete with universal connector
- Max. pressure: 1,000psi (69bar)
- Bulk capacity: 30cm<sup>3</sup>



Item Code	Bishops Code
G6P	68502010

## MINI DELUXE PISTOL GREASE GUN

- Convenient one hand operation
- Powder coated finish
- Complete with 4" steel extension and 4 jaw coupler with ball check
- Cartridge capacity: 85g
- Max. pressure: 3,500psi
- Bulk capacity: 120cm<sup>3</sup>
- 0.40g/stroke
- 1/8" BSPT



Item Code	Bishops Code
G-16/B	68502110

## PISTOL GREASE GUN

- Designed for use in confined spaces or where access to grease nipple is restricted
- Heavy duty aluminium die cast head and super strong pistol grip handle
- Robust barrel, heavy duty follower spring, CNC machined grease gun head, and large rolled threads for fast and easy re-loading
- Complete with 300mm flexible hose and professional 4 jaw coupler with ball check
- Head fitted with steel block nut
- Max. pressure: 5,000psi (345bar)
- Cartridge capacity: 450g
- Bulk capacity: 650cm<sup>3</sup>
- 1/8" BSPT



Item Code	Bishops Code
G4F/PST/B	68502038

## VARIO PREMIUM PISTOL GRIP GREASE GUN

- Ergonomic one hand operation
- Unique variable stroke mechanism for both high volume and high pressure applications
- Solid 11mm diameter piston for more grease per stroke
- Drop-resistant pistol assembly
- Robust aluminium die cast grease gun head with bulk filler
- Rolled cylinder threads offer maximum strength
- Suitable for use with NLGI 1, 2 and 3 grease
- Complete with 300mm flexible hose and professional 4 jaw coupler with ball check
- Cartridge capacity: 400g
- Max. pressure: 6,000psi
- Bulk capacity: 500cm<sup>3</sup>
- 1/8" BSPT



Item Code	Bishops Code
G65F-HP/B	68502039



## TRIGGER ACTION GREASE GUN

- Coarse thread on barrel assembly eliminates cross threading during cartridge changeover
- Unique Twin Lock System eliminates the possibility of dummy lubrication
- Patented Ever-Flow System enables the gun to be used with thick tacky greases even at low temperatures
- Lightweight and compact aluminium die cast head assembly
- Three way loading
- Delivers up to 1.1g of grease per stroke when on the high volume setting
- High volume/high pressure setting results in quicker and more effective greasing
- One hand operation
- Made in Germany
- 450g cartridge (700g bulk fill)
- Max. pressure: 8,500psi
- Includes:**
- 4 jaw coupler and flexible 30mm long extension



Item Code	Bishops Code
660AN	68502036

## FLEXIGUN HIGH PRESSURE GREASE GUN

- Pistol grip design for one hand operation
- Heavy duty 1.6mm thick barrel
- Suitable for greases up to and including NLGI No.2
- Max. pressure: 10,000psi
- Zinc option available to suit underground applications (K29-01-11)
- Flow rate: 0.68g/stroke
- Includes:**
- KY Supergrip™ coupler
- 300mm flexible extension



K29-01

Item Code	Description	Suits Cartridge	Bishops Code
K29-01	K29 FLEXIGUN	450g	68502120
K32-01	K32 FLEXIGUN	400g	68502125

## 450G GREASE GUN & ACCESSORIES KIT

- Delivers up to 1.1cc of grease per stroke on the high volume setting
- Heavy duty carry case protects all components from dirt and contamination
- Ideal for greasing difficult to access lube points
- Convenient on-the-go, on demand greasing solution
- Max. pressure: 8,500psi (586bar)
- Includes:**
- 660AN Trigger action grease gun (4 year warranty)
- 30cm Flexible extension
- 90° Adaptor with coupler
- Injector needle
- Needle hose adaptor
- 3 and 4 jaw couplers



Item Code	Bishops Code
660ANK2	68502045

## HEAVY DUTY LEVER ACTION GREASE GUN

- Designed for punishing day-in and day-out heavy industrial applications
- Variable stroke feature built in for use in confined areas
- High tolerance aluminium die cast grease gun head incorporates bulk loader and air bleeder valve
- Robust barrel, heavy duty follower spring, CNC machined grease gun head, large rolled threads for fast and easy re-loading
- Complete with 150mm steel extension and professional 4 jaw coupler with ball check
- Max. pressure: 10,000psi (690bar)
- Cartridge capacity: 450g
- Bulk capacity: 650cm<sup>3</sup>
- 1/8" BSPT



Item Code	Bishops Code
G4R/HD/B	68502042



## LEVER, AIR &amp; CORDLESS GREASE GUNS

## LEVER ACTION GREASE GUN

- Coarse thread on barrel assembly eliminates cross threading during cartridge changeover
- Unique Twin Lock System eliminates the possibility of dummy lubrication
- Patented Ever-Flow System enables the gun to be used with thick tacky greases even at low temperatures
- Lightweight and compact aluminium die cast head assembly
- Three way loading
- Flow rate: 1.6g/stroke
- High volume, high pressure greasing
- Large diameter piston with a long travel lever
- Cartridge/Bulk Fill: 450g/700g
- Max. Pressure: 12,000psi



Item Code	Bishops Code
600A	68502040

## LEVERGUN® HIGH PRESSURE GREASE GUN

- Suitable for cartridges, bulk fill or J3 loading
- Two hand operation
- Heavy duty 1.6mm thick barrel
- Handles up to and including NLGI No.2 greases
- Suits cartridge: 450g
- Max. pressure: 12,000psi
- Flow rate: up to 1.5g/stroke
- Zinc option available to suit underground applications (K45-01-11)

## Includes:

- KY Supergrip™ coupler
- 150mm Rigid extension



Item Code	Bishops Code
K45-01	68502130

## AIR OPERATED GREASE GUN

- Intermittent action providing grease discharge with every press of trigger
- Ideal for use in factory maintenance, agricultural applications, fleet service or for use on trucks connected to vehicle air brake compressors
- Each gun supplied with a male quick coupler fitting
- Air operating range: 40–120psi (3–8bar)
- Air compressor volume: 1cfm/0.026 cubic metre and above
- Complete with 150mm steel extension and professional 4 jaw coupler
- Pressure ratio: 40:1
- Air inlet: ¼" NPT(F)
- Cartridge capacity: 450g
- Bulk capacity: 650cm³
- Max. pressure: 4,000psi
- ½" BSPT
- 0.90g/shot



Item Code	Bishops Code
PGG/4R/B	68504210

## SAMOA 20V CORDLESS GREASE GUN

- Backlit display for real time battery level, grease level and grease metering information
- Red display light warning function
- Rubber supports enable free standing functionality
- Up to 16 cartridges before battery recharge is required
- Battery recharge time: 70mins
- Supplied with 2 x 2.0Ah batteries
- Optional 4.0Ah battery capable of dispensing up to 32 cartridges also available
- Max. working pressure: 7,250psi (500 bar)
- Dual flow rates: 100g/min or 160g/min



630A



Item Code	Cartridge/Bulk Fill
630A	450g/500g
430A	400g/500g

SPECIAL ORDER: PLEASE QUOTE ITEM CODE UPON ORDERING THIS PRODUCT

## POWERGUN® 18V CORDLESS GREASE GUN



- Portable battery powered grease gun
- Handles up to and including NLGI No.2 grease
- Suits 450g cartridge or bulk fill
- 18V Li-ion battery
- Max. pressure: 8,500psi
- Flow rate: up to 150g/min (continuous flow)

## Includes:

- KY Supergrip™ coupler
- 2 x 3Ah Batteries and charger
- 1m High pressure grease hose



Item Code	Bishops Code
PG450	68502142

## GREASE GUN BEST PRACTICE

Calculate the proper amount of grease that is needed for the re-lubrication of bearings based upon the calibrated delivery volume of the selected grease gun.

1

Use a vent plug on the relief port of the bearing to help flush old grease and reduce the risk of too much pressure on the bearing.

2

Use extreme caution when loading grease into the grease gun to ensure that contaminants are not introduced. If using a cartridge, be careful when removing the metal lid so that no metal slivers are introduced into the grease.

3

Make sure the grease gun is clearly marked to identify the grease with which it should be charged. Do not use any type of grease other than that which is identified.

4

Always make sure the dispensing nozzle of the grease gun is clean before using. Pump a small amount of grease out of the dispensing nozzle and then wipe the nozzle off with a clean rag, or lint-free cloth, before attaching it to the grease nipple.

5

Clean the grease nipple of all dirt before attaching the grease gun. Inspect and replace damaged nipples. It is helpful to use grease nipple caps to keep them clean, but still wipe nipples clean before applying grease.

6

Ensure that the proper grease is used at every grease point. Applying the wrong grease can cause an incompatibility problem, which can quickly cause bearing failure. Lubrication points should be clearly identified as to which grease is to be used. This can be done with coloured labels, adhesive dots or paint markers.

7

Grease guns should be stored unpressurised in a clean, cool and dry area and in a horizontal position to help keep the oil from bleeding out of the grease. Grease gun clamps make storage easy and organised. Also, cover the coupler to keep it free from dirt and contaminants.

8

Calibrate grease guns regularly to ensure the proper delivery volume.



# EASY PRESSURE CONVERSION CHART

**Q:** What does 50:1 ratio in air operated grease guns mean?

**A:** Grease pressure is 50 times air pressure.

psi	KPa	BAR
3,000	20,684.40	206.85
3,500	24,131.80	241.325
4,000	27,579.20	275.8
4,500	31,026.60	310.275
5,000	34,474.00	344.75
5,500	37,921.40	379.225
6,000	41,368.80	413.7
6,500	44,816.20	448.175
7,000	48,263.60	482.65
7,500	51,711.00	517.125
8,000	55,158.40	551.6
8,500	58,605.80	586.075
9,000	62,053.20	620.55
9,500	65,500.60	655.025
10,000	68,947.60	689.5
15,000	103,421.40	1,034.21
20,000	137,895.10	1,378.95
40,000	275,790.30	2,757.90

## 10:1 RATIO AIR OPERATED GREASE DRUM PUMP

- 10:1 ratio
- Dynamic primer
- Enables mine sites to use grease bins, eliminating the hassles involved in disposing of empty 180kg grease drums
- Easy to move with a forklift so one pump is sufficient for multiple sites
- Compact design assists where space is limited
- 3" male camlock for quick pump fitment
- 4 x 1/4" air motor
- Max. air pressure: 150psi
- Flow rate: 33kg/min



Item Code

7735

SPECIAL ORDER: PLEASE QUOTE ITEM CODE UPON ORDERING THIS PRODUCT

## ALEMITE HIGH VOLUME 180KG GREASE PUMP

- 40:1 ratio and delivery lengths up to 50m
- Can service 3 or more hose reels
- Free delivery rate with NLGI2 at 25°C of 5kg/min
- 1/2" NPT (f) air inlet
- 1/2" NPT (f) material outlet
- Idea for mine site and contractor workshops or mobile service vehicles where hazardous and demanding operating conditions exist



Item Code

7785-A5

SPECIAL ORDER: PLEASE QUOTE ITEM CODE UPON ORDERING THIS PRODUCT

## K7 MINI LUBE GREASE PUMP

- Provides up to 30 shots of grease with each prime
- Suits 2.5kg grease containers or bulk fill via a J3 transfer pump
- Handles up to and including NLGI No.2 grease
- Max. pressure: 5,000psi (high volume), 10,000psi (mid volume)
- Flow rate: 0.45g/stroke (high pressure), 1.25g/stroke (high volume)



Item Code

K7-01

Bishops Code

68502325

## J3 GREASE TRANSFER PUMP

- Quick and easy bulk filling of standard grease guns, air powered grease guns and KT5 and KT6 Minilube containers
  - Delivers up to 54g per stroke
  - Adjustable rigid extension
  - Compatible with grease pail size range: 18-25kg
  - Max. viscosity: up to NLGI No.2
  - Extension hose also available
- Includes:**
- Rigid extension
  - Lid
  - Rubber edged follower plate



Item Code

J3-01

Bishops Code

68502330

## GREASE DRUM PUMPS & KITS

### PROFESSIONAL GREASE TRANSFER PUMP



- Extra heavy duty construction
- Ideal workshop tool combining economical bulk grease purchasing with the portability of a hand operated grease pump
- Suitable for bulk filling grease guns, as well as transfer of grease from large to small containers
- Solid cast aluminium pump head, ergonomic steel pump handle, solid steel drum cover with lift handle and rubber lined follower plate
- Brass piston rings for minimal wear
- Variable handle setting for increased convenience in use with light and heavy greases
- Fully sealed to prevent contamination
- Comes with female loader adaptor, suitable for 9mm straight loader fittings
- Recommended for use with grease up to and including NLGI 3
- For use with 20kg pails
- Pump length below drum cover: 310mm
- Drum cover diameter: 310mm
- Follower plate dimensions:  
Steel end OD: 238mm,  
Plate OD: 293mm,  
I.P. Plate: 31.4mm



Item Code	Bishops Code
J2-03/BL/B	68502335

### AIR OPERATED GREASE 50:1 RATIO PUMP KIT



- World-class industrial high pressure pump with guaranteed performance and hassle-free operation
- Dispenses grease at pressures up to 50 times the air inlet pressure
- Designed to work in tough conditions. Suitable for use in industry, workshop, farm and construction applications
- All metal construction, fully CNC machined with hardened wear resistant moving parts
- Reciprocating piston-operated air motor
- Fitted with strainer at suction tube inlet providing clean grease to the bearing
- Supplied complete with drum cover, rubber lined follower plate, 2.1m of high pressure grease hose, Z swivel and professional grease control valve
- Wetted components made of steel, brass, aluminium and polyurethane
- Recommended for use with light and self-collapsing grease up to NLGI No. 2
- For use with 20kg pails
- Suction tube: 440mm
- Working pressure: 30–150psi (2–10bar)
- Max. air pressure: 150psi (10bar)
- Max. outlet pressure: 7,500psi (500bar)
- Air inlet connection: ¼" BSP(F)
- Pump outlet connection: ¼" BSP(F)
- Air consumption: 230L/min (61gpm)
- Grease output: 1.1kg/min
- Noise level: 81db

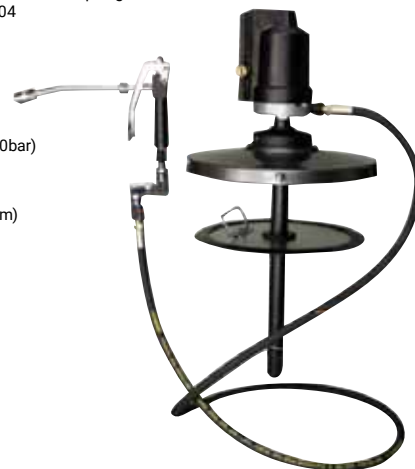


Item Code	Bishops Code
GP1/ST/501/BSP	68504240

### COMPOSITE AIR OPERATED GREASE RATIO PUMP 50:1



- Operates off most small compressors
- Ideal for applications having continuous need for high pressure grease in industry, workshops and farming
- Zinc construction suitable for mining applications
- 72mm diameter air motor
- Grease strainer at suction tube inlet provides clean grease to the bearing
- Can be used without an air line lubricator
- Pressure release valve prevents both the pump and system against damage created by excessive pressure
- Comes with drum cover, rubber lined follower plate, 2.1m of high pressure hose, Z swivel and professional grease control valve
- Wetted components made of zinc, hard chrome-plated steel, brass, nitrile and polyurethane rubber
- Recommended for use with light and self-collapsing grease up to NLGI No. 2 GRP/501-04
- For use with 50kg pails
- Suction tube: 688mm
- Working pressure: 60–150psi (4–10bar)
- Max. air pressure: 150psi (10bar)
- Max. outlet pressure: 7,500psi (500bar)
- Air inlet: ¼" NPT(F)
- Pump outlet: ¼" NPT(F)
- Air consumption: 270L/min (72gpm)
- Grease output: 460g/min
- Noise level: 85dB
- Drum cover diameter: 381mm
- Follower plate dimensions:  
Steel end OD: 322mm  
Plate OD: 380mm  
Grommet ID: 27.5mm



Item Code	Bishops Code
GRP/501/04	68504250

### P3 POWERLUBE™ AIR OPERATED GREASE PUMP KIT



- 50:1 ratio grease drum pump
- Air operated system
- Non-corroding air motor
- Low air consumption
- Available as pump only or as a kit
- Suitable for underground applications
- Australian manufactured
- Max. pressure (with B2 booster gun): 10,000psi
- Flow rate: 460g/min
- Kit Includes:**
  - P3001 Pump unit
  - KY Supergrip™ coupler
  - Lid and rubber edged follower plate
  - B2 Booster gun and ZSB high pressure swivel
  - High pressure grease hose (6mm x 4m)



Item Code	Bishops Code
P3-01C	68504220

### P8 MAXILUBE™ AIR OPERATED 180KG GREASE KIT



- 50:1 Ratio air operated pump
- 2.5mm x 6mm ID delivery hose
- Min. air pressure: 60psi
- Max. air pressure: 150psi
- Output: 460g/min (at pump)
- Air inlet: ¼" NPT (F)
- Pump outlet: ¼" NPT (F)
- Kit Includes:**
  - Pump unit
  - Lid and follower
  - B2 Booster gun



Item Code	Bishops Code
P8-11	68504225

### P58 MAXILUBE HEAVY DUTY AIR OPERATED GREASE PUMP



- Heavy duty construction providing reliable long service life
- High-quality components to ensure reliable operation in the harshest environments
- Large silencer that is incorporated into the aluminium alloy pump body to prevent icing and less noise
- Quick grease line pressure recovery provides instant greasing
- Large pump suitable for long grease line delivery
- Air consumption: 23.5cfm
- Pressure ratio: 58:1
- Compatible with 180kg (400lb) drums
- Air pressure operating range: 60–150psi (413k–1,034kPa)
- Max. fluid outlet pressure: 8,700psi (59,900kPa)
- Max. free flow delivery rate: 6kg/min (13lb/min) (@120psi pressure, 20°C)
- Noise level: 85 dB(A) (@120 psi)
- Air inlet size: 1/4" BSPT
- Fluid outlet size: 3/8" BSPT
- Grease viscosity: Up to NLGI No.2
- Supplied with lid and follower, hose and B2 Booster Gun



**Item Code**

P58PGLF-01

**SPECIAL ORDER: PLEASE QUOTE ITEM CODE UPON ORDERING THIS PRODUCT**

### SAMOA 20KG AIR OPERATED GREASE KIT



- 55:1 ratio air motor
- Steel, NBR and PTFE wetted parts
- Integrated inlet foot valve filter protects the pump from possible foreign particle contamination
- Handles greases up to NLGI2
- Quiet operation due to exhaust muffler
- Max. pressure: 7,950psi (550bar)
- Air pressure operating range: 22–140psi (0–1.5bar)
- Max. flow rate: 540g/min @ 100psi

**Includes:**

- 55:1 ratio pump
- Drum cover
- Follower plate
- 4m Hose
- Z swivel and control valve
- Carry handle



**Item Code**

424170

**Bishops Code**

68504200

### SAMOA 180KG AIR OPERATED GREASE KIT



- 55:1 ratio
- Integral filter eliminates the chance of pump tube contamination
- Lightweight, ergonomic cast alloy grease control valve
- Ideal for busy workshops where greasing is undertaken all day, every day
- Suits 180kg grease containers
- Max. pressure: 7,950psi
- Flow rate: up to 600g/min
- Drum not included



**Item Code**

428262

**SPECIAL ORDER: PLEASE QUOTE ITEM CODE UPON ORDERING THIS PRODUCT**

### BUCKET GREASER



- Volume grease pump designed for quick effortless greasing in applications requiring everyday lubrication such as greasing of excavators and other earth moving equipment, agricultural equipment, automotive applications etc.
- Delivers up to 9g of grease per stroke
- Fully CNC machined to very close tolerances
- Wetted components made from steel, aluminium, brass and nitrile rubber
- Recommended for use with grease up to and including NLGI No. 3
- 10kg capacity
- Max. pressure: 4,000psi (275bar)



**Item Code**

VGP/10A

**Bishops Code**

68502320

### PORTABLE GREASING SYSTEM



- Fully portable and single person operation
- Designed for workshop environments, site applications, pick-up trucks, tractors and earth moving equipment
- Foot operated pump
- A single charge provides 30 shots of grease
- Aluminium die cast super gun has high pressure and volume settings
- High pressure setting dispenses 0.45g of grease in each shot at 10,000psi
- High volume setting dispenses 1.25g per shot
- Pump assembly is fully sealed to prevent contamination
- Complete with drum cover, rubber lined follower plate, super gun with steel extension and coupler
- Also includes 5kg plastic grease bucket and a 1.5m premium high pressure hose
- Wetted components made from aluminium, steel, brass, polyurethane and nitrile rubber
- For use with grease up to and including NLGI No. 2
- Pump length below drum cover: 197mm
- Drum cover diameter: 216mm
- Follow plate dimensions: Steel end OD: 171mm, plate OD: 206mm



**Item Code**

GS/5

**Bishops Code**

68502315

### HIGH PRESSURE FOOT OPERATED GREASE PUMP



- High pressure portable grease pump for quick effortless greasing in everyday lubrication such as greasing of excavators and other earth moving equipment, agricultural equipment, automotive etc.
- Hands free operation; pump operates using the foot lever, hich greatly reduces effort and allows high pressure greasing with highest comfort
- Can be operated by hand when under low machinery
- Moving parts create wave action in grease, removing air pockets and eliminating the use of a follower plate
- Delivers over 2g of grease per stroke
- Suitable for use with NLGI 1, 2 and 3 greases
- Wetted components made from steel and nitrile rubber
- 10kg capacity
- Max. pressure: 8,700psi (600bar)



**Item Code**

FOP/10A

**Bishops Code**

68502322



# GREASE DISPENSING SYSTEMS, VALVES, GUNS & COUPLERS

## AUTOMATIC GREASE LUBRICATION SYSTEM

- Easy to install automatic lubrication system featuring high performance, reliability and rugged design
- High pressure output can service grease points within a radius of up to 30m
- Uses precision progressive dividers to ensure accurate and reliable lubricant distribution to all connected grease points, with built in indication if any grease point refuses to take grease
- Suitable for transport, construction, mining, agriculture, manufacturing, food and beverage and waste management
- Complete kit to service 20 grease points automatically

### Includes:

- Beka Max 24V DC pump station with onboard timer and 4kg grease reservoir
- 70m Grease filled hose
- Reusable hose ends
- Compression fittings and adaptors
- Nuts and bolts
- Cable ties
- Protective hose wrapping



### Item Code

ALS-20

SPECIAL ORDER: PLEASE QUOTE ITEM CODE UPON ORDERING THIS PRODUCT

## CONNECTORS, ADAPTORS & COUPLERS

Some grease guns come with a standard connection adaptor such as a hydraulic coupler, but there are variations depending on the application.

The standard hydraulic coupler is most commonly used and the most applicable.

A 90° adaptor is ideal for fittings in confined areas that require a 90° bend.

A needle-end adaptor provides a thin, precise amount of grease for tight places

A three-way swivel coupler offers a variety of locking positions for different applications.

### Grease Fittings

Grease fittings or grease nipples are the lubrication point where the grease connector is attached. A hydraulic grease fitting can be positioned upright or angled. The button-head fitting is ideal for good coupler engagement when large volumes of grease are being used. A flush-type grease fitting is preferred when working in a confined space. The pressure-relief vent fitting helps prevent higher pressures that could lead to damaged seals.

### Flexible Hose vs. Fixed Tube

When deciding whether to use a flexible hose or a fixed tube, the machine's grease-fitting type and ease of location should be factored in, as well as the type of grease gun being used. A hard-to-reach location would benefit from a flexible tube. While a lever-style grease gun requires both hands to pump the grease and would be easier to use with a fixed-tube.

## ALEMITE GREASE CONTROL VALVE

- Heavy duty grease control valve capable of continuous flow or preset measured shots provides greater lubrication options
- Rigid nozzle
- Ideal for use with pneumatic, hydraulic and electrically operated grease pumps and kits
- Inlet: 1/4" NPT (F)



### Item Code

6320-3

### Bishops Code

68504270

## GREASE CONTROL VALVE

- Robust design
- Standard duty steel and non aluminium construction
- Made of steel so ideal for underground coal use
- Rigid extension with 3 jaw coupler
- Inlet: 1/4" BSP(f)
- Max. pressure rating: 7,000psi (483bar)
- Manufactured in China



### Item Code

66880N

### Bishops Code

86410798

## B2 BOOSTER GUN

- Used for high pressure delivery with any air powered grease pump
- Boosts grease line pressure with a press of the trigger
- Increases the inlet grease pressure to overcome line resistance or nipple blockages
- Includes high pressure ZSB grease swivel as standard
- Inlet: 1/4" NPT (F)



### Item Code

B2-01

### Bishops Code

68502150

## QUICK RELEASE GREASE GUN COUPLERS

- Works with all grease gun types
- Fits all metric and SAE specification grease nipples
- Four hardened steel spring jaws, resilient under high pressure
- Durable nitrile rubber seal for longevity
- Sliding sleeve locks the quick release coupler onto the nipple
- Max. pressure: 10,000psi



### Item Code

A14512

### Thread

1/8" BSP

### Length

90mm

### Bishops Code

68510045



## GREASE GUN COUPLERS & NIPPLE SETS

### GREASE GUN COUPLERS

- Compact design for greater accessibility
- Quick and easy release mechanism enabling one handed operation – Load & Lube
- Superior safety internal pressure relief mechanism
- Max. pressure: 10,000psi (68,900kPa)



KYPLUS-01

Item Code	Inlet Size	Bishops Code
KYPLUS-01	1/8" BSP(F)	68510025
KYPLUS-02	1/8" NPT(F)	*KYPLUS-02

\* - SPECIAL ORDER: PLEASE QUOTE ITEM CODE UPON ORDERING THIS PRODUCT

### BUTTON HEAD GREASE GUN COUPLERS

- Die cast coupler body and button head
- Conveniently slides over standard button head grease nipples
- Ensures reliable and dependable lubrication of heavy machinery and equipment
- 1/8" BSP thread



14507

Item Code	Description
14506	Standard Button Head Pull On Coupler
14507	Push on Button Head Coupler With Built-In Swivel

SPECIAL ORDER: PLEASE QUOTE ITEM CODE UPON ORDERING THIS PRODUCT

### BUTTON HEAD COUPLER

- Fixed hook-on
- Zinc die cast body
- Conveniently slide over the face of the button head fitting
- Metal seal increases resistance to wear
- Pressure: 3,000psi (207 bar)
- Suits button head fitting: 5/8" (16mm)
- Thread: 1/8" BSPT



Item Code	Bishops Code
HOC/1/B	68510030

### HYDRAULIC GREASE GUN COUPLERS

- Industrial quality coupler for standard hydraulic grease nipples
- Easy on/off
- 1/8" BSPF thread
- Max. pressure: 12,000psi (827bar)
- Manufactured in Germany



14513

14514

Item Code	Description
14514	3 Jaw Hydraulic Grease Gun Coupler
14513	4 Jaw Hydraulic Grease Gun Coupler

SPECIAL ORDER: PLEASE QUOTE ITEM CODE UPON ORDERING THIS PRODUCT

### HEAVY DUTY HYDRAULIC COUPLERS



- Suitable for hand operated and air operated grease guns
- Hardened body with double wall thickness to withstand high pressure without deformation
- Fully hardened spring steel jaws
- Hexagonal nut for easy tightening
- Fitted with ball check valve
- 3 and 4 jaw construction
- Pressure: 10,000psi (690 bar)



Item Code	Bishops Code
HC/12/4/B	68510020

### HYDRAULIC SWIVEL COUPLER



- Provides effective lubrication of difficult and hard to reach grease fittings
- Swivels on a full 360° rotation and locks at any 45° position
- Fully hardened jaws for extended service life
- Hardened body and joints to withstand high pressure without deformation
- Zinc plated finish
- Spring loaded ball check valve
- 3 jaw construction
- Pressure: 7,000psi (483 bar)
- Thread: 1/8" BSPT



Item Code	Bishops Code
HC/SW/3/B	68510040

### 80 PIECE GREASE NIPPLE SET – METRIC



Includes:

- M6 x 1 thread: 20 x Straight, 10 x 90°
- M8 x 1 thread: 15 x Straight, 10 x 90°
- M10 x 1 thread: 15 x Straight, 10 x 90°



Item Code	Bishops Code
GFT/KIT/M-80	68514920

### 110 PIECE GREASE NIPPLE SET – METRIC



Includes:

- M6 x 1 thread: 30 x Straight, 20 x 90°
- M8 x 1 thread: 20 x Straight, 10 x 90°
- M10 x 1 thread: 20 x Straight, 10 x 90°



Item Code	Bishops Code
GFT/KIT/M-110	68514940



# GREASE NIPPLE SETS, THREAD TESTER, EXTENSIONS & TOOLS

## 80 PIECE GREASE NIPPLE SET – SAE



### Includes:

- 1/8"-27 PTF thread: 25 x Straight, 10 x 45°, 10 x 90°
- 1/4"-28 SAE-LT thread: 15 x Straight, 10 x 45°, 10 x 90°



Item Code	Bishops Code
GFT/KIT/SAE-80	68514910

## 110 PIECE GREASE NIPPLE SET – SAE



### Includes:

- 1/8"-27 PTF thread: 30 x Straight, 15 x 45°, 15 x 90°
- 1/4"-28 SAE-LT thread: 20 x Straight, 15 x 45°, 15 x 90°



Item Code	Bishops Code
GFT/KIT/SAE-110	68514930

## 110 PIECE GREASE NIPPLE GRAB KITS – METRIC & IMPERIAL

- Comes in hard plastic case for handy storage
- Kits include a variety of straight, 45° and 90° grease nipples



Description	Bishops Code
Metric Grease Nipple Kit – Includes 6–10mm Dia.	40420060
Imperial Grease Nipple Kit – Includes 1/4"–3/8" Dia.	40420059

## GREASE NIPPLE KITS – METRIC & IMPERIAL



- Straight and angled nipples



CA108

Item Code	Description	Kit Size	Bishops Code
CA109	Metric – 12 Sizes: M6, M8 & M10 Dia. – Fine & Coarse	105 Pieces	40410160
CA108	Imperial – 15 Sizes: UNF, BSF, BSP & NPT Threads	113 Pieces	40410150
CA2415	Metric & Imperial – 20 Sizes: M6, M8 & M10 Dia. (Metric), BSF, BSP, UNF, NPT & GAS Threads (Imperial)	415 Pieces	*CA2415

\* – SPECIAL ORDER: PLEASE QUOTE ITEM CODE UPON ORDERING THIS PRODUCT

## GREASE NIPPLE THREAD TESTER



- A handy tool for quickly and easily identifying the thread type of your grease nipples and other fittings
- Made from aluminium, this low cost compact and lightweight utility tool can be stored in a handy place ready for use
- Comes complete with all the common thread sizes including BSP, NPT, UNF, BSW and Metric
- Extra holes in top corners for hanging in common areas for easy access



Item Code	Bishops Code
6000	68514945

## HEAVY DUTY GREASE HOSES



- Polyamide inner tubing with polyurethane sheathing, reinforced diagonally in highly tear resistant polyester
- Heavy duty zinc plated end connections hydraulically crimped to the hose
- Ideal for use in cold weather
- Rolled threads for extra strength
- 1/4" BSPT



Item Code	Length	I.D	O.D.	Working Pressure	Burst Pressure	Bishops Code
GHC-8/B	200mm	3.6mm	8.5mm	3,500psi	11,600psi	68512020
GHC/HP-20/B	500mm	4.1mm	10.8mm	5,800psi	13,775psi	68512045

## GREASE GUN EXTENSIONS



- Industrial quality, genuinely high pressure and high flexibility
- Polyamide hose maximises product life
- Manufactured in Germany
- 1/8" BSP threads
- Min. burst pressure: 14,500psi



Item Code	Length	Bishops Code
14550	200mm	68512010
14551	300mm	68512030
14552	450mm	68512040

## EASY OUT TOOLS



- Removes worn and broken grease fittings as well as re-taps holes for installing new grease fittings
- Suitable for both straight and angled fittings
- Size available to suit almost all threaded fittings



Item Code	Description	Bishops Code
ESO/1	Small – Hex Size: 7–9mm (5/16"–3/8") Tap Re-Threads: 1/4"–28"	68590510
ESO/2	Large – Hex Size: 9–11mm (3/8"–7/16") Tap Re-Threads: 1/2"–27"	68590520

# HOW TO SELECT A DRUM OR TANK PUMP

A drum or tank pump is an instrument placed on the upper opening of a drum, barrel or tank and used to remove and transfer the liquid inside. What pump you require will depend on its intended application. There are many variations of drum pumps, so Bishops are making it easy, letting you know what pump to look for to best suit your needs.

## What fluid are you moving?

Each drum pump is made of various materials to suit specified fluids such as grease, oil and chemicals. Make sure you also pay attention to the viscosity of the liquid as many drum pumps can only move light fluids. The recommended fluids for each pump are easy to find in the product heading.

## What mechanism suits your needs?

**Down Stroke** pumps, also known as piston pumps, are actioned by the downward action of a hand operated pump positioned on the top of the drum. The downward movement increases pressure in the centre chamber, positively displacing liquids and forcing them out of the discharge hose end.

**Rotary** pumps work by turning a handle positioned on the side of the pump. Fluid is drawn into and forced out of spaces created by moving parts. The discharge flow of a rotary pump is smooth and is typically suitable for light fluids.

**Lever Action** pumps work with the manoeuvring of a hand operated lever up and down, positioned at the top of the drum pump. This action pulls fluid from the drum and out the discharge hose end. This method provides a higher output per stroke than simple syphons and allows for movement of medium viscosity fluids (SAE140).

**Air Operated** pumps are not manually operated, they work with the connection of an air compressor, moving fluid in a similar way to a down stroke pump. The non-electrical feed reduces the risk of igniting any flammable gases or liquids. Air operated pumps are less laborious than their manual counterparts making them suitable for everyday use.

**Syphon** causes a liquid to flow upward with no pump, powered by the pull of gravity, then discharges at a level lower than the surface of the reservoir from which it came. Simple plastic syphon pumps use air pressure to start the flow, but given this simple technology, the flow is not steady and the receiving container must be below the surface level of the drum. These pumps are light and convenient for transport and suitable for pumping fluids such as petrol.

**Battery Powered**, as the name suggests, are operated by battery with no manual labour required. This makes them suitable for everyday use. Automatic drum pumps do cost a premium in comparison to manual varieties.

## What size drum/IBC do you have?

Each drum or tank pump suits a specific size of drum or IBC. Take note of what size drum you have and make sure that the pump is compatible.

Can't find the drum or tank pump that you need?  
Ask Bishops!

## 88 SERIES HAND OPERATED OIL DRUM PUMPS

- Drainback nozzle holster ensures excess oil ends up back in the drum and not on workshop floor
- UV stabilised hose ensures a long service life
- Delivers 110ml on the downstroke
- 8828N2 Includes an extendable down tube sleeve and two extra adaptors which enables the pump to be suitable to use with a range of 20L drums



8828N2

Item Code	Description	Bishops Code
8826N	ATF Oil Drum Pump	*8826N
8828N2	Gear Oil Drum Pump	68575106

\* - SPECIAL ORDER: PLEASE QUOTE ITEM CODE UPON ORDERING THIS PRODUCT

## 99 SERIES SPRING OPERATED OIL & ATF DRUM PUMPS

- Spring operated pump and lever action control valve allows for semi-automatic oil transfer
- Unique swiveling pump head assembly reduces the chance of hose kinks
- Robust zinc pump head assembly and ground shafts with O-ring seals
- Fitted with drain back nozzle holster
- Max. viscosity: 100



9928

Item Code	Description	Flow Rate
9926	ATF Drum Pump With Hose & Filter - 20L	330ml/Stroke
9976	ATF Drum Pump With Hose & Filter - 60L	500ml/Stroke
9928	Gear & Engine Oil Drum Pump With Hose - 20L	330ml/Stroke
9978	Gear & Engine Oil Drum Pump With Hose - 60L	500ml/Stroke

SPECIAL ORDER: PLEASE QUOTE ITEM CODE UPON ORDERING THIS PRODUCT

## EZEE FLO OIL PUMPS

- Versatile hand lift pump with plastic pull out Rieke® spout engineered for trouble free use on 20L containers
- Heavy duty steel suction tube, with the pump head made from high density polyethylene
- Interchangeable bung adaptors
- Pump length can be extended by 19mm for use on high depth containers, by conveniently sliding on a special plastic extension at the suction end
- Wetted components made from steel, polyethylene, derlin, PVC\* (\*Only on pumps supplied with hose)
- Recommended for use with engine oils, gear oils, diesel, 100% antifreeze and light fuel oil
- Do not use with water based and other corrosive media
- Pump length: 325mm



EZZF/10

Item Code	Description	Bishops Code
EZF/9	With 48" Flexible Hose & Spout	68570020
EZF/10	With Rigid Steel Spout	68570040



## MANUAL, ROTARY & LEVER OIL PUMPS

### OIL PISTON PUMP

- An easy to use, highly convenient, single person operation oil pump that dispenses oils with a simple press of the trigger
- Single hand operation, requires no continuous lever/rotary pumping action
- Spring loaded design that charges the pump for continuous dispensing of media with a single charge
- A single charge gives 500ml of output
- All metal construction with built in 2" male threads into the pump head
- Pump head incorporates drain back port to minimise wastage and spillage of over flown media
- Supplied complete with 5' PVC hose fitted with an oil control gun
- Designed for use with 60L drum
- Steel, aluminium, zinc, brass, NBR, polypropylene and PVC wetted components
- Recommended for use with engine and gear oils up to SAE 140, automatic transmission fluids



Item Code

SLP/60

Bishops Code

68570085

### PLASTIC ROTARY OIL PUMP

- Designed for dispensing oil based fluids
- Polypropylene body, rotor and veins
- Viton shaft seal and steel hardware
- Strainer protects the pump from contaminants
- Comes with threaded polypropylene suction tube and 2" bung adaptor
- Wetted components made from polypropylene, viton and steel
- Recommended for use with oil based media, antifreeze etc.
- Do not use with water based media, acids, chemicals, solvents, lacquer, gasoline
- Delivers 5L per 20 turns
- Drum capacity: 50-205L



Item Code

ERP/01

Bishops Code

68570320

### PISTON PUMP

- Polypropylene plastic drum pump with stainless steel rod
- Suitable for light oils, paraffin, alcohols, water and water-based chemicals
- For use with 60-205L drums
- Flow rate: 400ml/stroke



Bishops Code

68570160

### FRONT ACTION BARREL PUMP

- Unique front action operation
- Makes pumping easy and allows the pump to be used on barrels placed in corners and other inaccessible areas
- Heavy duty aluminium die cast pump head incorporates 2" bung threads
- Brass piston rings for increased life
- No riveted parts, allows 100% serviceability
- Built-in nozzle holder for convenient storage of discharge hose
- Includes 1.8m PVC nitrile delivery hose with metal nozzle, spring and hose clamp
- Comes complete with telescopic suction tube for use on 50-205L drums
- Delivers 250ml per stroke
- Wetted components made from steel, aluminium, brass, NBR and PVC nitrile
- Recommended for use with diesel, kerosene, heating oils, motor oils, lubricating oils (up to SAE 90), and other non-corrosive media
- Do not use with water based media, antifreeze, solvents, acids, and gasoline etc.



Item Code

A2H/BL

Bishops Code

68570140

### PLASTIC LEVER OIL PUMP

- Convenient and comfortable design to pump thick oils without excessive fatigue
- Versatile for use with water based media, high viscosity oils, agricultural and select chemicals
- Built-In 2" bung adaptor and anti-siphon vent cap
- Lock nut allows for pump position to be easily adjusted
- Complete with suction tube and flexible corrugated discharge hose
- Wetted components made from polyacetal, polypropylene, polyethylene, PVC and viton
- Should only be used with non-flammable liquids and must never be used for fuel transfer or with thinners and solvents
- Delivers 500ml per stroke
- Drum capacity: 50-205L
- Hose: 2m x 3/4" ID



Item Code

PLP/02

Bishops Code

68570060

## GET MORE AT BISHOPS



### OIL JUGS & POURERS

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## 5:1 COMPOSITE AIR OPERATED OIL PUMP

- Dispenses oils up to five times the pressure as the air inlet
- Suits most small compressors as small as 0.08m<sup>3</sup>
- Commonly used in workshops, farming, construction machinery or as a part of a mobile oil system
- Reciprocating piston-operated 72mm diameter air motor
- Non-corroding air motor design, no air line lubricator needed
- Built-in pressure relief valve
- Dual oil inlet threads, 1" NPT(F) and 1" UNEF(F)
- Ideal for use over distances up to 50m
- Comes with 2" bung nut and 1" telescopic suction tube
- Wetted components made from aluminium, zinc, steel, brass, nitrile and polyurethane rubber
- Recommended for use with oils (to SAE 140), ATF, diesel, kerosene and soft self collapsing grease
- Air inlet: 1/4" NPT (F)
- Pump outlet: 1/2" NPT (F)
- Working pressure: 60-150psi (4-10 bar)
- Max. oil pressure: 145psi
- Max. air pressure: 150psi (10 bar)
- Air consumption: 270L/min
- Discharge: 15L/min



**Item Code**

ORP/51T/N

**Bishops Code**

68575110

## SAMOA 3:1 RATIO AIR OPERATED OIL PUMP

- For medium size systems involving hose reels and metered oil dispensing guns without simultaneous operation
- Suitable for 60L or 205L drums
- Air inlet pressure: 40-140psi
- Air inlet: 1/4" BSB (F)
- Outlet: 1/2" BSP (F)
- Max. viscosity: 450
- Max. pressure: 420psi
- Max. flow rate: 35L/min



**Item Code**

354120

**Bishops Code**

68575104

## ALEMITE 5:1 RATIO AIR OPERATED OIL STUB PUMP

- 5:1 ratio
- Can service up to 3 reels
- Double acting reciprocating model
- Spool valve design ensures fewer pump failures
- Modular design maximises operating time
- Air inlet/outlet: 1/2" NPT (F)
- Max. viscosity: 550
- Max. pressure: 700psi
- Flow rate: up to 28L/min



**Item Code**

9968

**SPECIAL ORDER: PLEASE QUOTE ITEM CODE UPON ORDERING THIS PRODUCT**

## 12V BATTERY POWERED OIL TANK PUMP

- Piusi DC self-priming gear type oil transfer pumps complete with integrated bypass valve
- Suitable for use with lubricants up to 600 centistokes
- Ideal for high use applications in areas where 240V power and compressed air are not available
- Noise level: Less than 65dB
- Inlet: 3/4" BSP (F)
- Outlet: 3/4" BSP (F)
- Max. working pressure: 70psi
- Max. flow rate: 10L/min



**Item Code**

309010

**SPECIAL ORDER: PLEASE QUOTE ITEM CODE UPON ORDERING THIS PRODUCT**

## 3:1 AIR OPERATED OIL RATIO PUMP

- Designed to work in tough conditions and are ideal for use in industry, workshop, farm, construction or as part of the mobile oil system
- All metal construction, fully CNC machined with hardened wear resistant moving parts
- Reciprocating piston operated 63mm diameter
- Air motor stub pumps are supplied with non-return valve threaded 1" (F) for use on the bottom of the suction tube
- Pumps are single acting with discharge up to 14L/min
- Ideal for use with medium to high viscosity oils (up to SAE 130) for transferring over short distances (up to 30m)
- Wetted components made from steel, brass, aluminium, high nitrile rubber, polyurethane and turcite
- Air consumption: 230L/min
- Max. oil pressure: 115psi



**Item Code**

OP/T3/31B/BSP

**Bishops Code**

68575100

## 240V ELECTRIC OIL VANE PUMP

- Piusi 240V vane type pump with sintered steel rotor and resin vanes
- Suitable for the transfer of engine, gear, diff and hydraulic oils
- Inlet: 3/4" BSP
- Outlet: 3/4" BSP
- Continuously rated with pressures up to 85psi
- Max. flow rate: 25L/min



**Item Code**

334900

**Bishops Code**

74930088



# HOW TO CHOOSE AN OIL DISPENSING SYSTEM

## What fluid are you moving?

Make sure you pay attention to the viscosity of the liquid that you plan to move. As a general rule the higher the pump ratio, the thicker the oil it can move. All oil dispensing systems are easily identifiable by their product title.

## High or low pressure?

Taking liquid viscosity out of the equation, generally the higher the pressure the higher the flow rate. High pressure dispensing systems dispense oil at a greater rate.

## Air operated or electric?

### Air Operated

Air pumps work with the connection of an air compressor, moving fluid in a similar way to a down stroke pump. The non-electrical feed reduces the risk of igniting any flammable gases or liquids.

### Battery Powered

As the name suggests, battery operated systems are operated by battery, with no manual labour required. This makes them suitable for everyday use. Battery power does cost a premium in comparison to air operated varieties.

## SAMOA AIR OPERATED IBC OIL TRANSFER KIT

- Eliminates costly and time consuming disposal of 205L drums
- Refillable, reusable, mobile and fully transportable
- Dual pedestal hose reel provides a long service life
- Electronic oil meter powered by replaceable AAA batteries
- Max. flow rate: 18L/min

### Includes:

- 3:1 ratio pump
- Hose reel and 10m hose
- Top mounting bracket
- Electronic oil meter



### Item Code

454695

**SPECIAL ORDER: PLEASE QUOTE ITEM CODE UPON ORDERING THIS PRODUCT**

## OIL CONTROL GUN

- For use with air operated oil pumps up to 6:1 pressure ratio
- Gun dispenses by simple press of the trigger
- Built-in safety and continuous flow lever, and swivel threaded at inlet for easy manoeuvrability
- Slim construction
- Wetted components made from steel, nylon, stainless steel and viton
- Recommended for use with oil, gear lube and ATF
- Do not use with water based media, gasoline etc.
- Working temperature range: -10°C to 60°C
- Inlet: ½" NPT (F)
- Max. pressure: 870psi (60bar)



### Item Code

OGY/S/1-2R/N

### Bishops Code

68550108

## OIL CONTROL GUN WITH MECHANICAL METER



- Robust shock resistant design with aluminium die cast body and a soft shroud encasing the meter
- 6 digit accumulative totaliser (max. 999,999L) and single reset button
- Works on oval gear technology for highest accuracy and repeatability
- Two outlet positions for in-line and 90° dispensing
- Swivel with strainer built at the gun inlet
- Supplied complete with rigid steel extension fitted with automatic non-drip nozzle
- Recommended for use with engine oil, diesel oil, ATF, antifreeze, anti-boil and other oils up to SAE 140
- Wetted components made from aluminium, acetal, steel, nitrile rubber
- Inlet: ½" BSPT (F)
- Operating temperature: 0°C to 50°C
- Max. pressure: 1,500psi (100bar)
- Flow range: 1-30L/min (0.26-8g/min)



### Item Code

HG/40R/B

### Bishops Code

68550110

## OIL SUCTION GUN



- A rugged transfer gun designed for transferring gear oils in and out of gear boxes, transfer cases and differentials
- Deluxe lip seal provides maximum suction
- Steel barrel in premium powder coated finish
- Fully serviceable
- No priming required
- Suitable for use with non-corrosive liquids
- Comes with 300mm flexible vinyl hose
- Capacity: 500ml



### Item Code

SG/11-BL

### Bishops Code

68502030

## OIL SUCTION GUNS

- Ideal for draining and filling of diffs, gear boxes and engine blocks
- A double 'V' packing ensures that oil does not leak through the rear of the gun
- Hose length: 290mm
- Max. viscosity: 500



21041

### Item Code

21040

21041

### Capacity

530ml

770ml

**SPECIAL ORDER: PLEASE QUOTE ITEM CODE UPON ORDERING THIS PRODUCT**

## HIGH SPEED FUEL & OIL ROTARY PUMP

- Aluminium alloy drum pump
- Suitable for fuels and low viscosity oils
- Has both clockwise and counter-clockwise operation
- Flow rate: 1L/stroke
- For use with 60–205L drums



Item Code	Bishops Code
RP99ZB	68570360

## HIGH SPEED ROTARY PUMP WITH FUEL FILTER

- Commonly used for dispensing or transferring low viscosity and non-corrosive petroleum based fluids, such as petrol, diesel, kerosene, lube, fuel, machine oil, and more
- For use with 60–205L drums
- Maximum viscosity: 500 SSU (or SAE 30)
- Flow rate: 1L/stroke
- Comes with filter and hose assembly



Item Code	Bishops Code
RP99ZF	68570365

## QUART/LITRE STROKE PUMP

- Heavy duty industrial pump
- Provides an economical way of dispensing exact quantities of media per stroke
- Extremely useful in applications requiring metered delivery
- Operates on a precision rack and pinion mechanism
- Built in 2" bung adaptor
- Comes with telescopic suction tube
- Spring loaded drain back tube
- Lockable handle for security while not in use
- Lock nut for positioning the pump outlet in any direction
- Wetted components made from steel, aluminium, nitrile rubber and acetal
- Recommended for use with gear and lube oil, petroleum based media, diesel and kerosene
- Do not use with water based and other corrosive fluids
- Delivers 1L/1 quart per stroke
- Barrel capacity: 50–205L



Item Code	Bishops Code
QSP/01	68570350

## SPOUT FOR ROTARY PUMP

- Used for high speed rotary pumps to attach inline filter
- 1" BSP x 1" NPT
- 90° elbow



Item Code	Bishops Code
	68595200

## CAST IRON FUEL & OIL ROTARY BARREL PUMP



- Features dual directional operation which allows the pump to both empty and refill containers
- Extremely heavy duty
- Sturdy cast iron body with precisely machined cast iron vanes for better draw and smoother delivery
- Comes with suction tube, 2" cast iron bung nut and discharge spout
- Wetted components made from steel, cast iron and NBR/Viton
- Recommended for use with diesel, kerosene, heating oils, motor oils, lubricating oils (up to SAE 90), and other non-corrosive media
- Do not use with water based media, antifreeze, solvents, acids and gasoline
- Delivers 5L per 20 turns
- Barrel capacity: 50–205L
- Pump inlet: 1"
- Weight: 6.6kg



Item Code	Bishops Code
GNB-25T/SPL	68570340

## ROTARY BOOSTER PUMP 3:1



- Provides high volume fuel dispensing
- For every complete handle turn, the rotor turns 3 times
- Ideal for construction sites, workshops, aviation, farms/ranches, boats and more
- Die cast aluminium construction
- Sintered gear driven die cast zinc rotor and vanes
- 1.8m delivery hose with metal nozzle
- Wetted components made from aluminium, zinc, steel, NBR and PVC nitrile
- Recommended for use with gasoline, diesel fuel, kerosene and lubricating oils (up to SAE 30)
- Do not use with corrosive liquids, solvents, acids and alkalis
- Delivers 205L in 3 minutes
- Drum capacity: 50–205L



Item Code	Bishops Code
RB/3H	68570380

## ROTARY CHEMICAL PUMP



- Designed for use in applications where a cast iron or steel barrel pump cannot be used
- Glass filled polypropylene body with Ryton veins
- Viton seals and stainless steel hardware
- Strainer protects the pump from contaminants
- Comes with threaded polypropylene suction tube and two 2" bung adaptors for use on both plastic and metal drums
- Wetted components made from polypropylene, Ryton, viton and stainless steel
- Recommended for use with water based media, antifreeze, Urea, Adblue, DEF, Benzene, Detergents, Glycerine, acids, chemicals and all petroleum based products
- Do not use with acetone, lacquer, mineral oils, solvents and turpentine
- Delivers 5L per 20 turns
- Drum capacity: 50–205L



Item Code	Bishops Code
PRP/01	68570325

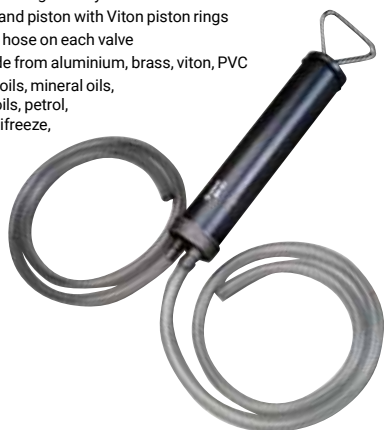


# ELECTRIC FUEL PUMPS & FUEL TRANSFER PRODUCTS

## DUAL DIRECTION TRANSFER GUN



- Draws in and pumps out liquid in a single stroke
- Easy and safe answer to fluid transfer, especially useful in transferring media unsafe for body contact
- Non-denting heavy aluminium gun body
- Aluminium suction head and piston with Viton piston rings
- Complete with 1.2m vinyl hose on each valve
- Wetted components made from aluminium, brass, viton, PVC
- Suitable for use with fuel oils, mineral oils, synthetic and biological oils, petrol, cooling liquids, water, antifreeze, spirits and brake fluids



Item Code

Bishops Code

SG/20

68502032

## HEAVY DUTY HIGH FLOW ELECTRIC FUEL PUMP



- Heavy duty industrial grade high flow fuel pump designed for heavy duty usage in agricultural, construction, automotive and industrial applications
- Rain and weather proof for tough outdoor use
- Lightweight yet strong, non-corroding
- Aluminium die cast construction geared pump design using precision sintered metal gears
- Geared construction makes the pump tolerant to contaminants in fuel; in addition to offering tremendous suction and minimal noise
- Wetted components made from aluminium, steel, cast iron, nylon, NBR, zinc, viton, polypropylene and PVC
- Recommended for use with gasoline, diesel, E15 fuel, kerosene, bio diesel (B20)
- Duty cycle: 30min on/off
- Flow rate: 20L/min



Item Code

Bishops Code

FPM/12/HF

68575820

## 220V REFUELLING KIT



- Heavy duty industrial grade fuel pump designed for every day use in agricultural, construction, automotive and industrial applications
  - Rain and weather proof for tough outdoor use
  - Lightweight, yet strong non-corroding aluminium die cast construction
  - Geared pump design using precision sintered metal gears
  - Geared construction makes the pump tolerant to contaminants in fuel
  - Tremendous suction and minimal noise
  - Explosion Proof Motor: 1/8hp, 220V AC, 50/60 Hz.
  - Duty cycle: 30min on, 30min off
  - 1A
  - Tank adaptor: 2" Threaded
  - Inlet: 1" NPT
  - Outlet: 3/4" NPT
  - Max. flow rate: 49L/min
- Includes:**
- 3/4" Manual dispensing nozzle with swivel
  - Internal bypass valve
  - Steel suction pipe
  - 3/4" x 12ft Anti-static hose



Item Code

Bishops Code

FPM 220

68575822

## DIESEL REFUELLING KITS



- Ideal for intermittent diesel refuelling applications
  - Self priming rotary vane pump includes a built-in bypass
  - Duty cycle: 30min on/off
  - Max. head capacity: 15m
  - Suction capacity: 2m
  - Max. flow rate: 50L/min
- Includes:**
- 4m Anti-static fuel delivery hose
  - 2m Battery cable
  - Stainless steel and brass fuel filter



52000

Item Code	Power	Nozzle
52000	12V	Manual
52001	24V	Manual

SPECIAL ORDER: PLEASE QUOTE ITEM CODE UPON ORDERING THIS PRODUCT

## 240V DIESEL FUEL TANK VANE PUMP



- Piusi vane type pump with sintered steel rotor and acetalic resin vanes
- Weather resistant cast iron, paint finished pump housing
- Built-in 100µm filter is easily accessible for cleaning
- 240V continuous running operation
- Ideal for diesel fuel transfer out of bulk tanks where 240V power is available
- Inlet/outlet: 1" BSP
- Max. flow rate: 72L/min



Item Code

732000

SPECIAL ORDER: PLEASE QUOTE ITEM CODE UPON ORDERING THIS PRODUCT

## HIGH VOLUME DIESEL FUEL PUMPS



- Vane type pump with sintered steel rotor and acetylic resin vanes
- Sturdy cast iron construction
- Thermal motor overload protection
- 240V continuous running operation
- Suitable for the transfer of diesel fuel



326000

Item Code	Size	Max. Flow Rate
326000	1"	100L/min
321000	2"	550L/min

SPECIAL ORDER: PLEASE QUOTE ITEM CODE UPON ORDERING THIS PRODUCT

## PIUSI IN-LINE DIESEL TRANSFER PUMPS



- Self-priming 12V electric pump with on/off switch
- Sturdy handle for convenient portability
- Duty cycle: 30 mins on/off
- BSP(F) inlet/outlet connections
- Max. working pressure: 22psi (1.5bar)
- Flow rate: up to 50L/min



52050

Item Code	Power
52050	12V
52051	24V

SPECIAL ORDER: PLEASE QUOTE ITEM CODE UPON ORDERING THIS PRODUCT



## LOCKABLE DIESEL FUEL STORAGE & DISPENSING KITS

- Heavy duty, robust polyethylene tank
- Patented Italian manufactured pump ensures trouble-free operation
- Lockable lid for security and protection of components
- Forklift lift points and tie-down capabilities
- Tank baffles aid vehicle stability
- Built in nozzle holster
- Suitable for all makes of single and twin cab utes
- Pump covered by a two year warranty
- Flow rates of up to 50L/min

### Standard Kit Includes:

- 12V Pump
- 4m Anti-static fuel delivery hose
- 2m Battery cables
- Automatic nozzle
- L80080PA/L100080PA/L120080PA supplied with hi-flow pump



Item Code	Capacity	Size
L10040PA	100L	691(w) x 716(d) x 567(h)mm
L20040PA	200L	1,000(w) x 716(d) x 567(h)mm
L45040PA	450L	1,000(w) x 883(d) x 850(h)mm
L60040PA	600L	1,000(w) x 1,109(d) x 850(h)mm
L80080PA	800L	1,700(w) x 1,000(d) x 870(h)mm
L100080PA	1,000L	1,700(w) x 1,000(d) x 1,025(h)mm
L120080PA	1,200L	1,700(w) x 1,000(d) x 1,190(h)mm

**\* - SPECIAL ORDER: PLEASE QUOTE ITEM CODE UPON ORDERING THIS PRODUCT**

## DIESEL FUEL STORAGE & DISPENSING KITS

- Heavy duty polyethylene tank cannot dent, scratch or corrode
- Tank baffles aid vehicle stability
- Pallet lift points and recesses for tie down straps on the tank aids handling and installation

### Includes:

- 12V pump
- 4m anti-static fuel delivery hose
- 2m battery cables
- Dispensing nozzle



Item Code	Capacity	Max. Flow Rate	Nozzle	Tank Dimensions	Bishops Code
40049GA	400L	49L/min	Auto	800(w) x 1,630(d) x 635(h)mm	*40049GA
40068PA	400L	79L/min	Auto	800(w) x 1,630(d) x 635(h)mm	*40068PA
40080P	400L	80L/min	Manual	800(w) x 1,630(d) x 635(h)mm	*40080P
60080P	600L	80L/min	Manual	800(w) x 2,400(l) x 635(h)mm	62022103

**\* - SPECIAL ORDER: PLEASE QUOTE ITEM CODE UPON ORDERING THIS PRODUCT**

## FUEL FILTER

- Suitable for use with gravity or hand, air and electric drum pumps
- Features a 10µm fuel filter element, a drain cock and replaceable clear plastic bowl
- Replacement elements readily available
- Inlet/outlet: 1" BSP
- Manufactured in the USA



Item Code	Bishops Code
FA2	74974252

## MANUAL FUEL & PETROLEUM NOZZLES

- Plastic shroud protects the trigger assembly and the users hands
- Can be locked in the open position
- Hanging clip helps to reduce the possibility of diesel fuel contamination and nozzle damage
- Suitable for gravity feed applications and those including pressures of up to 140psi
- Ideal for farm tank applications
- Inlet: 1" BSP swivel
- Max. flow rate: 150L/min



Item Code	Description	Bishops Code
52007	Manual Diesel Fuel Nozzle	68550020
52155	Manual Petroleum Nozzle (ULP)	*52155

**\* - SPECIAL ORDER: PLEASE QUOTE ITEM CODE UPON ORDERING THIS PRODUCT**

## MANUAL FUEL CONTROL NOZZLE



- For use with electric fuel pumps and gravity feed applications
- All metal aluminium construction
- Fitted with continuous flow switch and hose swivel at inlet for increased manoeuvrability and convenience
- Designed for minimal back pressure and reduction in flow
- For use with diesel, kerosene and petrol
- Wetted components are made from aluminium, steel, nylon, nitrile rubber
- Spout: 160mm
- Inlet: 1" BSP(F)
- Outlet OD: 25mm



Item Code	Bishops Code
FCN/S/0-1/0-1/BSP	68550010

## AUTOMATIC SHUT-OFF DIESEL NOZZLES

- Automatically cuts off when a fuel tank is full
- Swivel inlet included
- Suitable for applications involving an electric diesel transfer pump only
- Inlet: 1" BSP (F)
- Working pressure: 26psi (not suitable for gravity feed applications)



Item Code	Flow Rate
51037	60L/min
51039	120L/min

**\* - SPECIAL ORDER: PLEASE QUOTE ITEM CODE UPON ORDERING THIS PRODUCT**

## AUTOMATIC DIESEL FUEL NOZZLE

- Automatically cuts off when a fuel tank is full
- Can operate with flow rates up to 280L/min
- Suitable for applications involving a pump only
- Swivel included
- Inlet: 1½" BSP(f)



Item Code	Bishops Code
52039	62022108



## SYPHON & DIAPHRAGM PUMPS

### PLASTIC SYPHON PUMP

- Quick action pump, easily fills or empties kerosene, light oils, gasoline and various water-based solvents
- Air vent controls siphoning
- Pumps to higher levels and syphons to lower levels
- Polyethylene wetted parts
- Max. fluid temperature: 60°C
- Maximum viscosity: 500 SSU
- Mounting: 2" MNPT Bung adaptor for 55, 115 and 205L containers
- Suction tube: 3/8" ID, 1" OD
- Suction tube length: 0.86m
- Discharge tube: 15/16" ID, 1 1/16" OD
- Discharge length: 1.2m
- Flow rate: 26.5L/min



Item Code  
Bishops Code  
68570240

### PLASTIC SYPHON PUMP

- Easy to use, polyethylene pumps syphon liquids to lower levels than the height at which the pump is installed
- Easy to prime and start within 6-7 strokes
- Pump requires no further operation and keeps working in auto position, emptying the media being pumped
- All pumps are equipped with a vent cap on top, opening the cap stops the discharge
- Supplied complete with flexible corrugated discharge tube
- Recommended for use with water-based fluids, detergents, waxes, soaps, antifreeze, some mild acids, and other liquids compatible with pump materials of construction
- Polyethylene wetted components
- 1 1/2" bung
- Suits 5-20L pails
- 551mm discharge hose
- Flow rate: 6.5L/min



Item Code  
Bishops Code  
SPH/1 68570220

### HAND OPERATED SYPHON CHEMICAL & SOLVENT DRUM PUMP

- Polypropylene pump head and PVC pickup tube
- Includes 875mm long pickup tube and 1.2m of hose
- Suitable for low viscosity fluids
- Suitable for 60L or 205L drums
- Max. flow rate: 20L/min



Item Code  
225  
SPECIAL ORDER: PLEASE QUOTE ITEM CODE UPON ORDERING THIS PRODUCT

### AIR OPERATED DIAPHRAGM PUMPS

- Aluminium body and hytrel diaphragms
- Rugged bolted construction eliminates leaks and simplifies post maintenance reassembly
- Suitable for diesel fuel, gear oil, engine oil, waste oil, antifreeze and waste water
- Optimal stroke length maximises diaphragm life and performance whilst minimising pump downtime and maintenance costs



ALE-25BAH



Item Code	Size	Max. Flow Rate
ALE-25BAH	1"	160L/min
ALE-20BAH	3/4"	120L/min

SPECIAL ORDER: PLEASE QUOTE ITEM CODE UPON ORDERING THIS PRODUCT

### 3/4" AIR OPERATED CHEMICAL DIAPHRAGM PUMP

- Stainless steel body and Teflon diaphragms
- Suitable for use with solids up to 2mm (OD)
- Suitable for the transfer of MEK (methyleneethyl ketone), hydrochloric acid up to 20% concentration, phosphoric acid, methanol, paint thinners and water
- Inlet/outlet: 3/4" BSP (F)
- Max. flow rate: 100L/min



Item Code  
ALE-20BST  
SPECIAL ORDER: PLEASE QUOTE ITEM CODE UPON ORDERING THIS PRODUCT

### AIR OPERATED DIAPHRAGM PUMPS

- For large volume transfer
- Suitable for cleaning pits or sumps
- Self-priming pump for high suction lift



68575218

Item Code	Casing	Inlet/Outlet	Flow Rate	Max. Air Consumption	Bishops Code
AODD/1-2/BAH/N	Aluminium	1/2"	50L/min	450L/min	68575228
AODD/3-4/BAH/N	Aluminium	3/4"	110L/min	1,200L/min	68575218
AODD/3-4/BPS/N	Polypropylene	3/4"	110L/min	1,200L/min	68575224

### DIAPHRAGM BILGE PUMP

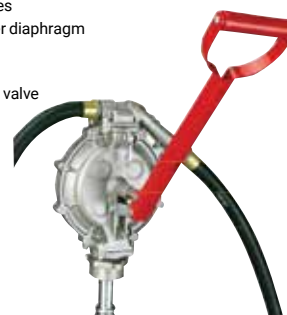
- Hand operated
- Mountable on most surfaces
- Made from Acetal, PU, stainless steel and PVC components
- Suitable for use with water, sea water, diesel, kerosene, gasoline, and a variety of oils
- Flow rate: 16.6L/min



Item Code  
DPP/20  
Bishops Code  
68570200

### DOUBLE DIAPHRAGM FUEL TRANSFER PUMP

- Ideal for use where compressed air and power is not easily available, such as farms, ranches and construction sites
- Stainless steel piston and fuel resistant hi-nitrile rubber diaphragm
- Includes a 2" die cast bung adaptor and extra heavy duty steel handle with security locking latch
- Complete with telescopic suction tube with non-return valve
- Wetted components made from aluminium, steel, stainless steel, poly acetal and NBR
- Recommended for use with gasoline, diesel fuel, fuel oil, motor oil and other light petroleum products
- Do not use with corrosive liquids, solvents, acids, alkalis etc.
- Delivers 800ml per stroke
- Drum capacity: 50-205L



Item Code  
DPP/1  
Bishops Code  
86412085

# MECHANICAL & ELECTRICAL FLOW METERS

Flow meters monitor the flow of oil from a pump or metering device to the lubrication point. Flow meters are available in both mechanical and electrical configurations.

## Mechanical

The most common mechanical flow meters are inserted into a pipe and use a turbine, wheel or paddle to measure velocity. Once the velocity is known, the volumetric flow can be calculated by knowing the cross section area of the pipe where they are installed. Other mechanical varieties follow the same basic principles. For a correct reading the pipe needs to be at capacity.



## Electrical

Electrical flow meters work with the same principle as the mechanical, but are differentiated by their electric display and battery operation. As with the mechanical, for a correct reading the pipe must be at capacity.



## MECHANICAL FUEL METER



- Extremely compact, yet easy to read
- Robust aluminium die construction
- 3 port design which allow the meter to be fitted in-line or with the inlet and outlet ports at right angle
- Nutating disc mechanism offers high tolerance to fuel contamination
- For use with electric fuel pumps or gravity flow (with a minimum gravity head of 4")
- Register cap can be easily removed and rotated to every 90° orientation for display reading
- Easy user re-calibration
- Works with both fuels and oils
- Recommended for use with diesel, gasoline, biodiesel, low to medium viscosity oils
- Do not use with water based media
- Wetted components made from aluminium, poly butylene terephthalate (PBT), viton and stainless steel



Item Code	Bishops Code
FM-100/0-1/BSP	68520030

## MECHANICAL FUEL METERS

- Suitable for the metering of petrol, diesel fuel and kerosene
- Suitable for gravity feed or pump applications
- Field calibration possible
- Accurate between flow rates of 20–120L/min
- Accuracy: ±1.0%
- Inlet/outlet: 1" BSP (F)
- Max. working pressure: 145psi



51008

Item Code	Description	Max. Batch Total	Bishops Code
51008	3 Digit Mechanical Diesel Meter	9,999L	68520020
51007	4 Digit Mechanical Diesel Meter	999L	*51007

\* - SPECIAL ORDER: PLEASE QUOTE ITEM CODE UPON ORDERING THIS PRODUCT

## DIESEL FLOW METER

- Metal case
- Precision
- Suit petrol and diesel MFM/M10
- Inlet/outlet: 1" BSP



Item Code	Bishops Code
MFM/M10/B	68520035

## MECHANICAL DIESEL FUEL METER



- 4-digit resettable totaliser
- 8-digit non-resettable totaliser
- Register can be rotated
- Nutating disc
- Inlet/outlet: 1" BSP
- Max. working pressure: 49psi (3.5bar)
- Flow rate: 20–120L/min



Item Code	Bishops Code
L-FM25	68520000

## MECHANICAL DIESEL METER



- Suitable for diesel, kerosene, ULP and light oils and gravity flow applications
- Inlet/outlet: 1" BSP (F)
- Max. working pressure: 345kPa (50psi)
- Flow range: 20–120L/min for accuracy of ±1%



Item Code	Bishops Code
AMFM	68520005

## DIGITAL DIESEL FLOW METER



- 6 digit reset total
- 6 digit non-reset total
- Field calibration capability
- Suitable for diesel, kerosene and coolants
- Inlet/outlet: 1" BSP
- Maximum working pressure: 50psi (3.5bar)



Item Code	Bishops Code
ADTFM	68520010

## ELECTRONIC OIL METER



- High pressure positive displacement meter suitable for in-line and end of line applications
- Oval gear mechanism for optimum accuracy
- Electronic display using two 1.5V batteries
- Robust aluminium die cast construction
- Measures in litres, quarts, pints and gallons
- Easy user re-calibration
- Wetted components made from aluminium, stainless steel, nitrile rubber and POM
- Recommended for use with oils with viscosity up to 5,000cSt, diesel, biodiesel
- Do not use with water based media, gasoline etc.
- Threads: ½" BSP(F)



Item Code	Bishops Code
OM-20/1-2/BSP	68520040





## LUBRICATION LIFECYCLE OF PARTS & ASSEMBLIES

Lubricants are specialised chemicals designed to reduce friction and protect your parts and assemblies from the effects of their wearing environment. Flip through the following pages to find the right lubricant for the job. Can't find what you're looking for? Contact Bishops!



# 1

### Preparation Lubricants

Lubricant applications commence here. These lubricants are applied to parts prior to or during assembly or simply before these parts are used for the first time. They penetrate the surface, often leaving a dry lubricating film that prevents the part from seizing and protects it from galling and corrosion.



# 2

### Oils & Greases

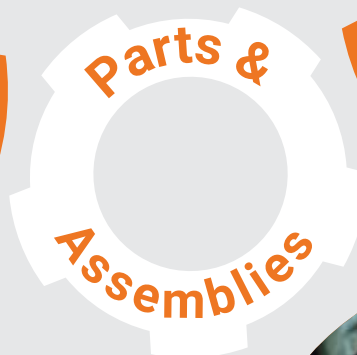
Similar to preparation lubricants, oils and greases are applied prior to operation. These are designed for complete assemblies such as engines, transmissions, gear boxes and axles. Additives are used to allow these to operate effectively in a wide variety of environments.



# 5

### Penetrants

Penetrants are specialised lubricants used to release parts and fittings to enable disassembly, and to clean or clear parts and assemblies from the effects of their wearing environment, typically rust or corrosion.



# 3

### Protectants

Protectants are another specialised lubricant. Whilst all lubricants are protective by design, protectants are designed to be applied to operating assemblies either for storage, extended life purposes or at the conclusion of the maintenance process prior to the assembly going back into operation.



# 4

### Maintenance Lubricants

These lubricants are general purpose in nature and applied to parts and assemblies that have already been run-in or operated. They can be used to clean, coat, protect and generally maintain the integrity and smooth operation of parts and assemblies.

Jump straight to the lifecycle stage of the part or assembly you're lubricating to find the product you need to get the job done.



### Cutting & Grinding Lubricants

Another specialised lubricant, not part of the typical part and assembly lifecycle, used to assist and enhance the effectiveness of the cutting and grinding process and to protect and preserve the cutting tool being used.



# PREPARATION LUBRICANTS

You'll find two common preparation lubricants; anti-seize and dry film.

**Anti-Seize** is a grease compound that contains suspended additives, metal and non-metal based, applied to metal parts and assemblies to provide long-term lubrication and protection against rust, corrosion, galling and seizing.

**Dry Film** or pre-assembly lubricant, resembles your standard general purpose lubricant, however they are designed to protect components from the effects of their wearing environment, including rust and corrosion.

## TYPES OF Anti-Seize

There are four main types of anti-seize compound:

**Copper Based** anti-seize is suitable for steel with the exception of stainless steel, where it will chemically react to eventually cause corrosion and cracking.

**Nickel Based** anti-seize is suitable for steel including stainless steel. However, it is classified as a carcinogen, so it is not to be handled in workshops without protection.

**Silver Grade** anti-seize is aluminium based. It is ideal for static to slow moving assemblies working under heavy load in high temperature.

**Metal-Free** anti-seize is suited for all applications, generally free of hazardous particles, making them non-toxic and more environmentally friendly.

We've laid out the most popular anti-seize products by these types.



It's easy with Bishops!

## GET MORE AT BISHOPS



## HAND CLEANERS

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## COPPER EZE GREASE

- Benton-based anti-seize grease
- Contains micro-size copper, zinc oxide and other synthetic base oil
- Resists temperatures up to 1,093°C
- Rust and corrosion protection in severe environments
- Prevents galling
- NLGI 1.5



Size	Bishops Code
100g	70521625

## STOP-SEIZE COPPER

- Heavy duty, high temperature water-repelling compound that protects against rust, corrosion and seizure of metal parts
- To use with valve assemblies, conveyors, flange gaskets and studs, piping, bushings, compressors, boiler fittings and heat exchanges
- Anti-seize performance up to 1,090°C
- Size: 500g



Item Code	Bishops Code
D19020	32410220

## STOP-SEIZE NICKEL

- Heavy duty, high temperature water repelling compound containing suspended nickel that resists corrosion and galling
- Recommended for use with stainless steel and other alloys where a copper based product would be unsuitable
- Anti-seize performance up to 1,400°C
- Size: 500g



Item Code	Bishops Code
D19030	32410230

## LOCTITE 771 NICKEL ANTI-SEIZE



- Copper-free formulation with extreme chemical resistance, recommended for stainless steel and other metal fittings
- Prevents corrosion, seizing and galling in harsh chemical environments at temperatures to 1,315°C
- Recommended for chemical plants and oil refineries, water and sewage plants, environments where a 'clean' inert lubricant is needed
- Size: 500g



Item Code	Bishops Code
39163	32414114



# GENERAL PURPOSE, BEARING & HIGH PRESSURE GREASES

## TYPE A GREASE

LANOTEC

- A food grade lubricant and anti-seize
- Anti-seize for threaded rod, shackles, nuts and bolts
- Lubricant for rubber hoses, O-rings, linkages, pivot pins and bushes
- Rubber grease, non perishing
- Assembly lube
- Moisture proofing of multi-pin plugs and connectors, non-conductive to 70kV
- Stops galling of stainless steel and aluminium
- Stops electrolysis due to dissimilar metal contact di-electric grease



Item Code	Size	Bishops Code
GS\0235	235ml	*GS\0235
GS\250T	250ml Tube	32003138
GS\0500	500ml	32003140
GS\0001	1L	32003145
GS\0004	4L	32003150
GS\0020	20L	32003155

\* - SPECIAL ORDER: PLEASE QUOTE ITEM CODE UPON ORDERING THIS PRODUCT

## PBR RUBBER GREASE

- Premium quality general purpose grease
- Non-harmful clay based
- Contains castor oil
- Compatible with natural and synthetic rubbers
- NLGI 2



Size	Bishops Code
100g	70520010
500g	70521615

## HIGH TEMP WHEEL BEARING GREASE

- High temperature and extreme pressure grease
- Lithium complex soap thickener
- Tacky formula
- General chassis grease applications in the automotive industry
- Lead and chlorine free
- Blue



Size	Bishops Code
450g	70521510
2.5kg	70521515
20kg	70521520

## GRADE YOUR GREASE

Grease is a shear-thinning fluid with high viscosity used on mechanisms which are not lubricated frequently or when synthetic lubricant will not stay in place.

Whilst grease is highly viscous, under shear, the viscosity is lowered to that of the base oil allowing it to lubricate the surrounding area.

The National Lubricating Grease Institute (NLGI) provides a standard for greases to help grade and understand their viscosity levels.

NLGI Grade	Worked Penetration ( $\frac{1}{10}$ mm)	Appearance	Consistency
0	445-475	Fluid	Cooking Oil
0	400-430	Semi-Fluid	Apple Sauce
0	355-385	Very Soft	Brown Mustard
1	310-340	Soft	Tomato Paste
2	265-295	"Normal" Grease	Peanut Butter
3	220-250	Firm	Veg. Shortening
4	175-205	Very Firm	Frozen Yogurt
5	130-160	Hard	Smooth Pate
6	85-115	Very Hard	Cheddar Cheese

## MOLYGREASE EP 3%

- All purpose high temperature grease
- Lithium soap base
- NLGI 2
- Protects against shock loads
- Rust and corrosion protection
- Black



Size	Bishops Code
450g	70521585
2.5kg	70521590
20kg	70521595

## EXTREME PRESSURE GREASE

- General purpose coloured grease
- Suitable for most applications in the automotive industry
- High level protection against shock loads
- Rust and corrosion protection
- Red



Size	Bishops Code
450g	70521535
2.5kg	70521540
20kg	70521545

## INDGREASE LITHIUM EP 0 GREASE

- Lithium based mineral lubricant
- Multi-purpose semi-fluid grease
- Reduced wear under high or shock loads
- Rust and corrosion protection
- Lead, chlorine, nitrite and extract free



Size	Bishops Code
20kg	70521530

## INDGREASE 100LX EP2

- High melting point lithium complex grease
- For the most demanding grease applications
- Provides extreme pressure and anti-wear protection
- Long life protection
- Lead, chlorine, nitrite and extract free



Size	Bishops Code
450g	70521610

## MARINE GREASE

- High temperature lithium complex grease
- Excellent protection in salt water environments
- Rust and corrosion protection
- Lead and chlorine free
- Tacky formula



Size	Bishops Code
450g	70521500

## POWER SPORTS GREASE

- Water resistant high temperature grease
- Suitable for use in outdoor applications including motorcycling, automotive and marine activities
- Rust and corrosion protection
- Protection against shock loads
- Tacky formula
- Lead and chlorine free



Size	Bishops Code
100g	70521620

## MC-2ST 2-STROKE ENGINE OIL

- Fully and semi synthetic 2-stroke oils
- Extends engine life and keeps engines clean
- Low ash formulation
- Environmentally friendly
- Size: 1L



70520550



70520560

Description	Bishops Code
Semi-Synthetic Engine Oil	70520550
Fully Synthetic Engine Oil	70520560

## HI-PER 2-STROKE ENGINE OIL

- Suitable for use in motorcycles, mopeds and scooters
- Also suits gardening equipment such as chainsaws, lawn mowers and more
- Extends engine and spark plug life
- Low smoke and low ash formulation



Size	Bishops Code
1L	70520565
20L	70520575

## 2 STROKE OIL

- Specially developed lubricant for air-cooled two stroke engines
- Can be mixed with leaded or unleaded petrol
- The formulation utilises a mixed additive system to ensure a minimal ash deposit formation
- Contains diluent, making it easy to mix with fuel
- Controls corrosion excellently
- Minimal ring wear and piston scuffing
- Cleans burning, assisting in maintaining cleaner combustion chambers, ports and mufflers



**STIHL**

Item Code	Size	Bishops Code
0781 319 8401	100ml	70090018
0781 319 8411	1L	70090028
0781 319 8433	5L	70090030

GET MORE AT BISHOPS ▶

**CHAINSAWS**

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# OIL GRADING WHAT DOES IT MEAN?

**Single Grade** engine oils are made without additives and perform best when either at high or low temperatures depending on the product specifications. As with multi grade oils, the weight is determined by the viscosity and is the only number listed (e.g. 15W). Cold temperature oils list a 'W' at the end of the number. High temperature oils are tested at 100°C and are not given a 'W' designation after the number.

**Multi Grade** engine oils feature additives to improve their performance in hot and cold temperatures. The numbering system uses viscosity grades labelled 'weight' to grade different oils. In a multi grade specification, the first number (e.g. 15W) refers to the viscosity at low temperature. The second number (e.g. 40) refers to the viscosity at 100°C.

**Bishops stock a huge range of oils to help cater to any kind of job. Can't find what you're looking for below?**

**Give Bishops a call!**

## SEMI-SYNTHETIC 10W-40 ENGINE OIL

- Complete engine protection
- Full zinc anti-wear Additive package for complete engine wear protection
- API Licensed for quality guarantee assurance
- Latest engine oil specification technology for
- Maximum wear protection
- Minimum sludge formation
- Reduced piston deposits
- Better high temperature protection than SAE 10W-30 grade oils
- Catalyst and oxygen sensor friendly
- Petrol and diesel compatible engine oil



Size	Bishops Code
1L	70520230
5L	70520235

## PRO EXTRA 10W-40 SEMI-SYNTHETIC ENGINE OIL

- API licensed for quality assurance
- Full zinc anti-wear additive package for ultimate engine wear protection
- Maximises wear protection
- Minimises sludge formation
- Reduces piston deposits
- Reduces oil consumption and maintains oil pressure
- Catalytic converter compatible.
- Ideal for light duty diesel engines



Size	Bishops Code
20L	70520250

## MC-4ST ENGINE OIL 100% PAO & ESTER

- Fully synthetic engine oil with 100% PAO and Ester base oils
- Suitable for most 4-stroke road, sports and dirt bikes
- Ideal for competition race teams
- Maximum wear protection
- Size: 1L



Description	Bishops Code
10W-40 Engine Oil	70520770
15W-50 Engine Oil	70520780

## PREMIUM MINERAL 15W-40 ENGINE OIL

- API licensed for quality guarantee assurance
- Latest API SN plus oil specification technology
- Maximum wear protection
- Minimum sludge formation
- Reduced piston deposits
- Enhanced LSPI (low speed pre-ignition) protection
- Reduced turbo charger deposits
- Improved oxidation and deposit control, aeration and fuel economy over SN grade oils
- Blended using premium hydrocracked base oils for heat resistance and high performance
- Shear stable VI improvers help maintain oil viscosity
- Catalyst and oxygen sensor friendly
- Suitable for use in rotary engines



Size	Bishops Code
5L	70520265

## PENRITE CONVOY MFD 15W-40 MINERAL DIESEL ENGINE OIL

- Convoy MFD is a high quality, mineral, SAE 15W-40, mid ash diesel engine oil formulated with high quality additives and premium hydrocracked mineral base oils
- Excellent protection of engine parts
- Resists oil thickening
- Shear stable viscosity modifier maintains oil viscosity in service
- Mid ash formulation controls combustion chamber deposits
- Can be used in mixed fleets, reducing the chance of misapplication



Size	Bishops Code
20L	70520285
205L	70520290

## PENRITE CONVOY DFX 15W-40 PREMIUM MINERAL DIESEL ENGINE OIL

- Excellent protection of engine parts
- Resists oil thickening
- Shear stable viscosity modifier maintains oil viscosity in service
- Mid ash formulation controls combustion chamber deposits
- Can be used in mixed fleets, reducing chance of misapplication and minimising inventory



Size	Bishops Code
5L	70520205
20L	70520215
205L	70520220



### PREMIUM MINERAL 20W-50 ENGINE OIL

- Latest oil specification technology
- Maximum wear protection
- Minimum sludge formation
- Reduced piston deposits
- Shear stable VI improvers help maintain oil viscosity
- Petrol and diesel suitability
- Catalyst and oxygen sensor friendly
- Blended using premium hydrocracked base oils for heat resistance and high performance
- Suitable for use in rotary engines



Size	Bishops Code
5L	70520275

### PRO 20 20W-50 MINERAL ENGINE OIL

- Can be used where SJ, SL, SG or SF oils were recommended
- Superior performance to older specification engine oils
- FULL ZINC anti-wear additive package for ultimate engine wear protection
- Reduces oil consumption and maintains oil pressure
- Catalytic converter compatible
- Ideal for light duty diesel engines



Size	Bishops Code
20L	70520280

### MOTORCYCLE FORK OILS

- Fully synthetic motorcycle oils
- Very high viscosity index fluid
- Protects system from wear
- Excellent low temperature properties
- Size: 1L



Description	Bishops Code
MC 5W Fork Oil	70520755
MC 10W Fork Oil	70520760

### MARINE 2-STROKE ENGINE OIL

- Semi-synthetic marine engine oil
- Ideal for all water cooled 2-stroke outboard engines
- Minimises plug fouling, ring sticking and port blockages
- Low smoke
- Anti-seize and anti-scuff



Size	Bishops Code
1L	70520655
5L	70520665
20L	70520670

### 10W-30 MARINE 4-STROKE ENGINE OIL

- Mineral based marine engine oil
- Suitable for use in 4-stroke outboard, inboard and stern drive engines



Size	Bishops Code
5L	70520675
20L	70520680

### 10W-40 MARINE 4-STROKE ENGINE OIL

- Semi-synthetic marine engine oil
- Suitable for use on all 4-stroke outboard engines where 10W-40 and 15W-40 are specified
- Protects engines in salt water environments



Size	Bishops Code
5L	70520690
20L	70520695

### 15W-40 MARINE DIESEL 4-STROKE ENGINE OIL

- Semi-synthetic oil
- Suitable for use with coastal and marine engines that use diesel fuel only
- Anti-corrosion protection
- Mild ash formulation
- Resists oil thickening



Size	Bishops Code
20L	70520705

### 25W-40 MARINE 4-STROKE ENGINE OIL

- Mineral based engine oil
- Contains advanced anti-wear additives and specialised rust inhibitors
- Designed for use on inboard/outboard motors
- Protects against salt water environments



Size	Bishops Code
5L	70520720



# TRANSMISSION FLUID & GEAR OILS

## ATF DX-III AUTO TRANSMISSION FLUID

- Mineral based transmission fluid
- Contains advanced hydrocracked base oils and additive technology
- Provides superior wear protection
- Extends transmission life



Size	Bishops Code
1L	70520450
4L	70520455
20L	70520460

## PRO GEAR 75W-85 FULL SYNTHETIC MANUAL TRANSMISSION OIL

- Smooth shift feel for the life of the oil
- Reducing harmful deposits
- Will not harm brass or bronze
- Compatible with synchro materials
- Excellent wear protection
- Contains synthetic base oils for longer life



Size	Bishops Code
1L	70520335
2.5L	70520340
20L	70520345

## TRANS GEAR 75W-90 SEMI-SYNTHETIC MANUAL GEARBOX & TRANSAXLE OIL

- Smooth shift feel for the life of the oil drain
- Reduces harmful deposits
- Excellent wear protection
- Protects against gear pitting
- Can extend transmission drain intervals



Size	Bishops Code
20L	70520348

## 10W-40 MC GEAR OIL

- Mineral based high performance oil
- Specially formulated for separate gear boxes in 2 and 4 stroke motorcycles
- Prevents clutch slip and improves gear shifts
- Excellent wear protection



Size	Bishops Code
1L	70520750

## 75W-90 MARINE GEAR OIL

- Fully synthetic gear oil
- Suitable for outboard gear motors and stern drive units
- Improves start at low temperatures
- Blue



Size	Bishops Code
500ml	70520650

## 80W-90 PREMIUM MINERAL GEAR OIL

- Mineral based automotive gear oil
- Contains extreme pressure additives and friction modifiers
- Suitable for use in passenger cars, light commercial vehicles, 4WDs, trucks and construction equipment
- Blue



Size	Bishops Code
1L	70520350
2.5L	70520355
20L	70520365

## 85W-140 PREMIUM MINERAL GEAR OIL

- Mineral based automotive gear oil
- Maximum protection
- Contains extreme pressure additives and friction modifiers
- Suitable for use in passenger cars, light commercial vehicles, 4WDs, trucks and construction equipment



Size	Bishops Code
1L	70520375
2.5L	70520380
20L	70520385

## EP 320 MINERAL GEAR OIL

- Premium mineral extreme pressure gear oil
- Contains highly refined water white base oils, selected sulphur-phosphorous extreme pressure and anti-wear additives
- Suitable for use in crushers, hoists, conveyors, winches, lathes and more
- Protects against rust and corrosion
- Minimises foaming



Size	Bishops Code
20L	70520395

## ISO 46 HYDRAULIC OIL

- High quality low zinc oil
- Contains advanced anti-wear additives
- Protects against wear and corrosion
- Suitable for use in most types of hydraulic systems
- Reduces sludge formation
- Compatible with silver components



Size	Bishops Code
20L	70520400

## INDUS HV 68 HYDRAULIC OIL

- Zinc and chlorine free hydraulic oil
- Contains selected hydro-treated base stocks, highly shear stable viscosity modifier, and advanced anti-wear additive
- Suitable for use in hydraulic systems used in marine, construction, mining and agricultural environments
- Reduces sludge formation
- Compatible with silver components
- Fluorescent light yellow colour



Size	Bishops Code
5L	70520410
20L	70520415
205L	70520420

## INDUSTRIAL COMPRESSOR OIL 2KH

- Up to 2,000 hour oil drains
- High resistance to oxidation, reducing sludge deposits
- Good water demulsibility
- Excellent protection against wear
- Excellent filterability



Size	Bishops Code
20L	70520140

## INDUSTRIAL COMPRESSOR OIL 4KH

- Up to 4,000 hour oil drains
- Reduces system deposits
- Good water demulsibility
- Excellent protection against wear



Description	Size	Bishops Code
Indus Compressor Oil 4KH ISO 68	5L	70520135
Indus Compressor Oil 4KH ISO 46	20L	70520120

## AIR TOOL OIL

- Suitable for oiling of air tools
- A high performance anti-wear hydraulic oil formulated for use with most pumps, valves and seal material used in hydraulic systems
- Provides excellent wear and corrosion protection
- Enhanced air release and anti-foam properties prevent cavitation
- Excellent filterability prevents filter blockages
- Good demulsibility ensures hydraulic system performance is maintained with small amounts of water
- Viscosity 32 @ 40°C



Size	Bishops Code
250ml	70095360
1L	70095362

## AIR TOOL LUBRICATION KIT

- Includes:**
- 1 x 100ml Lubricant grease
  - 1 x Applicator



Description	Bishops Code
Air Tool Lubrication Kit	73675002
Replacement Grease To Suit Lubrication Kit	73675004

## SYNTHPLUS CHAIN OIL

- High-performance lubricant is extremely suitable for all moving saw chains
- Effectively protects saw chains from wear
- High temperature resistance, cutting attachments are optimally protected even from short-duration maximum thermal loads
- Smoking is inhibited
- Even at temperatures down to -20°C, STIHL chain lubricant retains its outstanding flow properties
- Selected additives prevent resinification of the cutting attachment and other treated parts



**STIHL**

Item Code	Size	Bishops Code
7004 871 0262	1L	70095120
7004 871 0397	5L	70095135
7004 871 0052	20L	70095140

## HOW VISCOUS IS YOUR OIL?

One of the most important factors of an oil is its viscosity. The thickness of an oil affects how easily it flows through your parts and covers them. When expecting leaks, it is best to use high viscosity oils which won't penetrate small gaps.

Specialised oils aren't designed to operate in varying temperatures, instead they are made with different viscosities to best suit their purpose. These oils are classified using the Viscosity Index (VI).

### Viscosity Index (VI) Chart

Viscosity Index	Viscosity
<35	Low
35-80	Medium
80-110	High
>110	Very High



## MAINTENANCE LUBRICANTS

### GENERAL PURPOSE LIQUID LANOLIN **LANOTEC**

- Penetrant
- Light lubricant and corrosion inhibitor for light chains, locks, hinges, zippers and padlocks
- Frees up rusted tools and stops squeaks
- Electrical component protection including air conditioner units and ECU's, non-conductive to 70kV
- Lubricant for drilling, cutting, machining and pressing
- Rejuvenates plastics, vinyl, leather, aluminium and powder coated surfaces



Item Code	Size	Bishops Code
GP\PP-0400	400g Aerosol	32003040
GP\SP-0750	750ml Spray Pack	32003050
GP\0005	5L	32003055
GP\0020	20L	32003060

### HEAVY DUTY LIQUID LANOLIN **LANOTEC**

- Lubrication of moving parts in corrosive environments
- Wire rope lubrication and corrosion protection
- Lubrication and protection of high speed and load bearing chains (non-fling and non-webbing)
- Spray on anti-seize
- Protection of electrical equipment, non-conductive to 70kV
- Ideal for marine, mining and offshore applications



Item Code	Size	Bishops Code
HD\PP-0400	400g Aerosol	32003070
HD\SP-0750	750ml Spray Pack	32003080
HD\0005	5L	32003095
HD\0010	10L	*HD\0010
HD\0020	20L	32003090

\* - SPECIAL ORDER: PLEASE QUOTE ITEM CODE UPON ORDERING THIS PRODUCT

### 5-56 MULTI-PURPOSE LUBRICANT **CRC**

- Multi-purpose lubricant with superior penetrating power that breaks through rust and corrosion while it clears away scale and dirt
- Eliminates the need for many disassembly operations
- Lubricates for smooth action, and silences annoying squeaks and squeals
- Protects metals against corrosion and displaces moisture to help start wet engines
- A moisture eliminator - for wet equipment and barrier to prevent trouble before it starts



Item Code	Size	Bishops Code
5028	175g Aerosol	32002270
5005	400g Aerosol	32002280
5004	4L	32002290
5009	20L	32002300

### WD-40 MULTI-USE PRODUCT

- Stops squeaks
- Drives out moisture
- Cleans and protects
- Loosens rusted parts
- Frees sticky mechanisms
- 360° valve allowing spray at any angle



Item Code	Size	Bishops Code
61104	425g Aerosol	32004200
61114	4L Liquid	32004202

### WD-40 SPECIALIST HIGH PERFORMANCE SILICONE LUBRICANT

- Non-staining, hard working formula does not attract dirt
- Prevents parts from sticking
- Waterproofs and protects against moisture
- Temperature range: -40°C to 200°C
- Suitable for use on metal, plastic, rubber and wood
- Ideal for for guide rails, pipes, hoists, hinges, belts, bearings, linkages, tools, valves, locks and doors
- Size: 300g



Item Code	Bishops Code
21101	32004210

### 808 SILICONE LUBRICANT SPRAY **CRC**

- Multi-purpose silicone spray
- Non-corrosive formula that provides a thin, durable, clear, odourless film that lubricates, protects and eliminates squeaking and binding caused by friction
- Excellent mould release
- Clear, non-staining and odourless
- Resists moisture
- Reduces friction, wear and noise
- Size: 330g aerosol



Item Code	Bishops Code
3055	32002210

### FOOD GRADE CHAIN LUBE **CRC**

- Foaming action for outstanding penetration and coverage
- No messy overspray
- Penetrates, lubricates and protects
- Low viscosity formula creeps deep between wire strands, chain links, pins, rollers and sprockets
- Reduces friction, wear and load stress
- Non-drying film lubricates metal surfaces
- Size: 340g aerosol



Item Code	Size	Bishops Code
FG03055	340g Aerosol	32002705



**TAC 2 ADHESIVE LUBRICANT**

- An exceptional lubricant, with a tough adhesive quality
- Bonds to chain/wear surfaces to keep them in peak operating condition by reducing friction and wear that cause metal fatigue
- Effectively lubricates chain drives, open gears, pulleys, wire ropes and conveyors
- Resists cold, hot and salt water wash-off and high temperature sling-off
- Reduces wear and friction
- Size: 300g aerosol



Item Code	Bishops Code
5035	32002380

**LONG LIFE ANTI-RUST LUBRICANT**

- Provides both superior lubrication and heavy duty corrosion protection for metal parts and assemblies that are stored indoors
- High pressure properties – withstands up to 1,250lb (566kg) load in Falex test method ASTM-D-3233
- Corrosion resistance up to 2 years
- Long life gives excellent protection for all metal tools, marine equipment, fishing gear and fire arms
- Easy to remove
- Size: 300g aerosol



Item Code	Bishops Code
3097	32002250

**CHAIN LUBE RACE**

- Fully synthetic high performance chain lubricant
- Designed for high speed racing situations
- Wear and corrosion protection
- Low friction



**P26 MULTI-PURPOSE LUBRICANT**

- Professional strength automotive lubricant
- Stops squeaks and creaks
- Rust and corrosion protection
- Size: 400ml



Size	Bishops Code
500ml	70520765

Item Code	Bishops Code
P26MPL0004	70521705

**WIRE ROPE LUBRICANT**

- Penetrates, lubricates and protects wire ropes operating in corrosive environments or above 16mm diameter
- Ideal for use around waterways and environmentally sensitive areas
- Semi-fluid grease, can be sprayed or manually applied
- Penetrates to the core of the rope whilst remaining on the outer strands to provide long lasting protection and lubrication
- Ideal for marine cranes working in the splash zone
- Size: 20L



**5-56 MARINE LUBRICANT**

- Multi-purpose compound designed to end damage due to water and salt atmosphere in marine engines and boating equipment
- Displaces moisture and forms a continued non-hardening molecular film, protecting equipment
- Penetrates and loosens scale, frees frozen parts, cleans and lubricates
- Size: 300g aerosol



Item Code	Bishops Code
HW\RL20-CUBE	32003160

Item Code	Bishops Code
6006	32002590

**WIRE ROPE SPRAY**

- Semi-fluid grease lubricant containing molybdenum disulphide
- Designed for the lubrication and corrosion prevention requirement of wire ropes
- Applications include wire ropes, dockyard cranes, mobile cranes, chain lifts, slipways and flying foxes
- Suitable for all environments including marine and mining
- Size: 300g aerosol



**2-26 ELECTRICAL LUBRICANT**

- A stable, inert organic formula, especially prepared to prevent malfunction and deterioration (due to the effect of moisture and corrosion), extends operational life, reduces down time and maintenance
- Contains no silicone
- A penetrant – frees rusted or corroded parts
- Size: 450g aerosol



Item Code	Bishops Code
RY452412	32220096

Item Code	Bishops Code
2005	32002010



## GRAPHITE POWDER & PENETRANTS

### GRAPHITE POWDER

- Ultra-fine dry lubricant
- Suitable for use on oil-based products that attract dust
- Size: 35g puff pack



Item Code	Bishops Code
PP120	32418005

## DEFINING PENETRANTS

Penetrants are specialised lubricants used to release parts and fittings to enable disassembly and to clean or clear parts and assemblies from the effects of their wearing environment, typically rust or corrosion. You'll typically find three different types:

**Rust Converters** chemically convert the rusted oxide surface to a stable iron phosphate compound which can be safely cut, welded and painted.

**Rust & Corrosion** penetrants dissolve and strip back rusted parts and surfaces back to bare metal, allowing them to be finished. They can also be used to dissolve rusted fasteners, allowing them to be loosened.

**Gasket** penetrants dissolve gasket material that may be stuck in place. This allows for the surface to be cleaned and fitted with a new gasket.

### LANO-FORM & RELEASE AGENT

LANOTEC

- A lanolin based, water soluble concrete release agent
- For formwork, precast and tilt panel
- Ideal for environmentally sensitive areas
- Lubrication of jacks and fittings
- Protection of equipment from concrete and paint overspray
- Lano-Form is a ready-to-use release agent



Item Code	Description	Size	Bishops Code
RA\0003	Concentrate	2.9L	32003120
RA\0005	Concentrate	5L	32003125
RA\LF-0010	Ready-To-Use	10L	*RA\LF-0010
RA\0020	Concentrate	20L	32003130
RA\LF-0020	Ready-To-Use	20L	*RA\LF-0020

\* - SPECIAL ORDER: PLEASE QUOTE ITEM CODE UPON ORDERING THIS PRODUCT

### 3-36 HEAVY DUTY PENETRANT



- A multiple organic inhibitor in a paraffinic oil base that prevents rust and corrosion by displacing and sealing out moisture and by forming a continuous protection barrier against water and oxygen
- Thin invisible film that never dries or becomes brittle
- Extremely low surface tension
- Penetrates into pores and cracks
- Low surface tension and an affinity for metal ensures that a continuous film of product will blanket every part of the surface
- Size: 300g aerosol



Item Code	Bishops Code
3005	32002170

### FOOD GRADE PENETRATING OIL



- General purpose non-silicone penetrant
- Eases disassembly of mechanical equipment
- Low surface tension formula creeps into cracks, seams, threads and joints with great efficiency
- Improves performance and operating efficiency
- Loosens rusted and corroded nuts, bolts, couplings, fittings and hinges
- Colourless, tasteless and odourless
- Temp. range: -20°C to 150°C
- Size: 312g aerosol

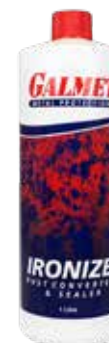


Item Code	Bishops Code
FG03086	32002720

### GALMET® IRONIZE RUST CONVERTER & SEALER



- Fast reacting rust converter and sealer
- Enamel paint can be applied over the surface after 3 hours
- Up to 3 months corrosion protection without re-coating
- Provides a tough and flexible film
- Size: 1L



Item Code	Bishops Code
GICS1L	66520125

### RANEX RUSTBUSTER

- Penetrates to chemically destroy rust
- Removes surface rust
- Cleans and polishes chrome, brass, copper, and more
- Dissolves and cleans off rust bore water stains



Size	Bishops Code
4L	32004204
20L	32004206

# PROTECT YOUR PARTS

**Protectants** are designed to be applied to operating assemblies either for storage, extended life purposes or at the conclusion of the maintenance process prior to the assembly going back into operation. They protect parts from environmental effects such as rust and corrosion, as well as working conditions including water exposure, abrasion and earth submersion.

## SOFT SEAL HEAVY FILM PROTECTANT

- A long term indoor/outdoor corrosion inhibitor for machined surfaces and assemblies subjected to long periods of storage or adverse shipping conditions
- Displaces moisture and provides a transparent, amber waxy film for heavy protection of parts, equipment and machinery
- Provides heavy corrosion protection to preserve and lengthen useful life of equipment subject to heat, humidity, chemicals or corrosive atmospheres
- Never becomes brittle and will not craze
- Size: 300g aerosol



Item Code	Bishops Code
3013	32002180

## STEEL-SEAL® CORROSION INHIBITOR

- A low-tack protective film for all metal surfaces
- Parts storage protection
- 4WD and LV underbodies
- Trucks, trailers, agriculture and marine
- Heavy industrial machinery and plant
- Not recommended for galvanised surfaces



Item Code	Size	Bishops Code
SS\PP-0400	400g Aerosol	*SS\PP-0400
SS\SP-0750	750ml	32003098
SS\0003	3L	*SS\0003
SS\0005	5L	32003100
SS\0010	10L	*SS\0010
SS\0020	20L	32003110

\* - SPECIAL ORDER: PLEASE QUOTE ITEM CODE UPON ORDERING THIS PRODUCT

# PROTECTANTS & PIPE PRIMERS & TAPE

## DENSO MP PRIMER



- For mechanical protection of Denso™ Petrolatum Tape System in high service temperature environments
- A component of the Denso™ Petrolatum System, protecting pipelines, joints and fittings above and below ground
- Suitable for creating a moisture barrier in refrigeration units
- Designed to withstand up to 55°C



P300002.5-44

Item Code	Size
P300002.5-44	2.5kg Tub
P300015-44	15kg Drum

SPECIAL ORDER: PLEASE QUOTE ITEM CODE UPON ORDERING THIS PRODUCT

## DENSYL™ TAPE



- Corrosion protection, sealing and waterproofing of metal above or below the ground
- Designed to withstand temperatures up to 70°C
- Provides long term corrosion protection to pipes, flanges, valves and related surface
- Length: 10m



P6100100-44

Item Code	Width
P6100050-44	50mm
P6100075-44	75mm
P6100100-44	100mm
P6100150-44	150mm

SPECIAL ORDER: PLEASE QUOTE ITEM CODE UPON ORDERING THIS PRODUCT

## DENSYL KF COLOURTAPE™



- Designed to withstand extreme temperature variations and is resistant to surface spread of flame
- Provides long term corrosion protection to pipes, flanges, valves and related surfaces
- Specially stabilised and pigmented for use above ground where appearance is important
- Waterproofing of cables and thermal insulation where fire resistance is important
- Length: 8m



P620100

Item Code	Width
P620050	50mm
P620100	100mm

SPECIAL ORDER: PLEASE QUOTE ITEM CODE UPON ORDERING THIS PRODUCT

## GET MORE AT BISHOPS



## SURFACE PREPARATION PRODUCTS

From Page 122





# PIPE REPAIR PRODUCTS

## DENSO™ PVC SA OVERWRAP TAPE

- For mechanical protection of Denso™ Petrolatum Tape System in high service temperature environments
- A component of the Denso™ Petrolatum System, protecting pipelines, joints and fittings above and below ground
- Suitable for creating a moisture barrier in refrigeration units
- Designed to withstand temperatures up to 75°C
- Length: 30m



P931025

P932100

P932150

BLACK			YELLOW		
Item Code	Size	Bishops Code	Item Code	Size	Bishops Code
P931025	25mm	*P931025	P932025	25mm	*P932025
P931050	50mm	66542145	P932050	50mm	*P932050
P931100	100mm	66542148	P932100	100mm	*P932100
P931150	150mm	66542150	P932150	150mm	*P932150

\* - SPECIAL ORDER: PLEASE QUOTE ITEM CODE UPON ORDERING THIS PRODUCT

## DENSO TAPE™

- For protection below ground or underwater against corrosion on pipework, metal surfaces and cables and temporary sealing of fractured mains and cable joints
- Highly versatile corrosion prevention tape
- Non-hardening, non-cracking and conformable over a wide temperature range
- Designed to withstand temperatures up to 55°C as well as resistant to water, gases, mineral acids, alkalis and salts
- An ideal solution for a wide range of corrosion problems
- When correctly applied in conjunction with Denso™ MP Primer, Denso™ Mastics (when applicable) and Denso™ PVC SA Tape, assets can be protected easily and effectively
- Length: 10m



P600050-44

Item Code	Width	Bishops Code
P600050-44	50mm	66542105
P600075-44	75mm	*P600075-44
P600100-44	100mm	66542100
P600150-44	150mm	66542110
P600200-44	200mm	*P600200-44
P600300-44	300mm	*P600300-44

\* - SPECIAL ORDER: PLEASE QUOTE ITEM CODE UPON ORDERING THIS PRODUCT

## DENSO™ REPAIR WRAP

- Protective fibreglass outerwrap and pipe repair bandage
- Repair leaking water, sewage, air and fuel pipes



M230100

Item Code	Size
M220075	75(w)mm x 3.0(l)m
M220100	100(w)mm x 3.0(l)m
M230100	100(w)mm x 4.5(l)m

SPECIAL ORDER: PLEASE QUOTE ITEM CODE UPON ORDERING THIS PRODUCT

## RAPP-IT PIPE REPAIR BANDAGE



Rapp-it Pipe Repair System is ideal in emergency situations; it is simple to apply and can save you \$1,000s in costly downtime. Rapp-it includes a woven fibreglass bandage impregnated with water-activated resin and a 90mm stick of Rapp-it Steel Putty.

- Successfully repair a leaking or damaged pipe in just 30 minutes
- Easy to apply – no mixing or measuring required
- Resistant to most chemicals, diluted acids and fuels
- Withstands pressure up to 360psi (2,500kPa) and temperatures of 150°C
- Potable water certified AS/NZS 4020:2018
- Suitable for construction, engineering, mining, oil and gas, petrochemical, processing, manufacturing, marine and agricultural industries
- Ideal for acid lines, sea water, CHPP and many different pipe shapes and substrates, including polypipe (PP/HDPE), GRE, steel, PVC, rubber, concrete, galvanised, ceramic, clay, stainless steel, basalt, fibreglass, copper and all insert piping



Item Code	Size	Bishops Code
RAP122	50(w) x 3,600(l)mm	32428120
RAP123	75(w) x 3,600(l)mm	32428130
RAP124	100(w) x 3,600(l)mm	32428140
RAP164	100(w) x 4,800(l)mm	32428160
RAP304	100(w) x 9,000(l)mm	32428170

## GET MORE AT BISHOPS

### SPILL KITS

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### FACE SHIELDS
















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







# WORK HEALTH & SAFETY REGULATIONS

## Classification and labelling for workplace hazardous chemicals

CLASSIFICATION		LABELLING						
Hazard		Pictogram, Code*	Signal Word	Hazard Statement				
Class	Category			Code*	Text			
Explosives	Unstable explosive		Danger	H200	Unstable explosive			
	Division 1.1			H201	Explosive; mass explosion hazard			
	Division 1.2			H202	Explosive; severe projection hazard			
	Division 1.3			H203	Explosive; fire, blast or projection hazard			
	Division 1.4	GHS01	Warning	H204	Fire or projection hazard			
	Division 1.5	No GHS Pictogram <sup>(1)</sup>	Danger	H205	May mass explode in fire			
	Division 1.6	No GHS Pictogram <sup>(1)</sup>	No Signal Word	N/A	No Hazard Statement			
(1)=Explosives of Divisions 1.5 and 1.6 need to be labelled with their respective Dangerous Goods class label in accordance with the Australian Explosives Code.								
Flammable Gases	Category 1		Danger	H220	Extremely flammable gas			
Flammable Aerosols	Category 1		Danger	H222	Extremely flammable aerosol			
	Category 2		Warning	H223	Flammable aerosol			
Oxidising Gases	Category 1		Danger	H270	May cause or intensify fire; oxidiser			
Gases under Pressure <sup>(2)</sup>	Compressed gas		Warning	H280	Contains gas under pressure; may explode if heated			
	Liquefied gas			H281	Contains refrigerated gas; may cause cryogenic burns or injury			
	Dissolved gas							
	Refrigerated liquefied gas							
(2) = The hazard class "Gases under Pressure" is subdivided into "Groups" (not "Categories").								
Flammable Liquids	Category 1		Danger	H224	Extremely flammable liquid and vapour			
	Category 2		H225	Highly flammable liquid and vapour				
	Category 3		Warning	H226	Flammable liquid and vapour			
	Category 4		No Pictogram	Warning	H227	Combustible liquid		
Flammable Solids	Category 1		Danger	H228	Flammable solid			
	Category 2		Warning					
Self-reactive substances and mixtures <sup>(3)</sup> Organic Peroxides <sup>(3)</sup>	Type A		Danger	H240	Heating may cause an explosion			
	Type B			H241	Heating may cause a fire or explosion			
	Type C and D		Warning	H242	Heating may cause a fire			
	Type E and F							
	Type G	No Pictogram				No Signal Word	N/A	No Hazard Statement
	(3) = Two separate hazard classes have the same categories (and are therefore grouped).							
Pyrophoric Liquids	Category 1		Danger	H250	Catches fire spontaneously if exposed to air			
Pyrophoric Solids	Category 1		Danger	H251	Self-heating; may catch fire			
Self-heating substances and mixtures	Category 1		Danger	H252	Self-heating in large quantities; may catch fire			
	Category 2		Warning	H260	In contact with water releases flammable gases which may ignite spontaneously			
Substances and mixtures which, in contact with water, emit flammable gases	Category 1		Danger	H261	In contact with water releases flammable gases			
	Category 2		Danger	H261	In contact with water releases flammable gases			
	Category 3		Warning	H261	In contact with water releases flammable gases			
Oxidising Liquids <sup>(4)</sup>	Category 1		Danger	H271	May cause fire or explosion; strong oxidiser			
Oxidising Solids <sup>(4)</sup>	Category 2		Danger	H272	May intensify fire; oxidiser			
Category 3	Warning		H272	May intensify fire; oxidiser				
(4) = Two separate hazard classes have the same categories (and are therefore grouped).								
Corrosive to metals	Category 1		Warning	H290	May be corrosive to metals			
Acute Toxicity (Oral, Dermal or Inhalation)	Category 1		Danger	H300	Fatal if swallowed			
	Category 2			H310	Fatal in contact with skin			
	Category 3			H330	Fatal if inhaled			
	Category 4			H301	Toxic if swallowed			
	Category 5			H311	Toxic in contact with skin			
Corrosive to humans	Category 1		Danger	H331	Toxic if inhaled			
	Category 2			H302	Harmful if swallowed			
	Category 3			H312	Harmful in contact with skin			
Category 4	H332	Harmful if inhaled						

CLASSIFICATION		LABELLING			
Hazard		Pictogram, Code*	Signal Word	Hazard Statement	
Class	Category			Code*	Text
Skin corrosion/irritation	Category 1A		Danger	H314	Causes severe skin burns and eye damage
	Category 1B				
	Category 1C				
Skin irritation	Category 2		Warning	H315	Causes skin irritation
	Category 3				
Serious eye damage/eye irritation	Category 1		Danger	H318	Causes serious eye damage
	Category 2A				
Sensitisation of the respiratory tract or the skin	Respiratory Sensitisers Category 1		Danger	H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled
	Skin Sensitisers Category 1				
Germ cell mutagenicity	Category 1A		Danger	H340	May cause genetic defects <sup>(5)</sup>
	Category 1B				
Carcinogenicity	Category 2		Warning	H341	Suspected of causing genetic defects <sup>(5)</sup>
	Category 1A				
	Category 1B				
	Category 2				
(5) = State route of exposure if it is conclusively proven that no other routes of exposure cause the hazard.					
Reproductive toxicity	Category 1A		Danger	H360 <sup>(6)</sup>	May damage fertility or the unborn child
	Category 1B				
	Category 2				
	Category 1A				
	Category 1B				
Additional category for effects on or via lactation	Category 2		Warning	H361 <sup>(6)</sup>	Suspected of damaging fertility or the unborn child
	Category 1				
	Category 2				
	Category 1				
(6) = (state specific effect if known)(state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard). (7) F = Fertility, D = Development (lowercase f, d = suspected effect).					
Specific target organ toxicity (single exposure)	Category 1		Danger	H370	Causes damage to organs <sup>(8)</sup>
	Category 2				
	Category 3				
Specific target organ toxicity (repeated exposure)	Category 1		Danger	H372	Causes damage to organs <sup>(8)</sup> through prolonged or repeated exposure <sup>(9)</sup>
	Category 2				
(8) = (state all organs affected, if known). (9) = (state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard).					
Aspiration Toxicity	Category 1		Danger	H304	May be fatal if swallowed and enters airways

\* = The code for the Pictogram and Hazard Statement should not be included on the label. Further information on classification, labelling and safety data sheet requirements under the WHS Regulations, including transitional arrangements, is available from the Safe Work Australia website at [www.safeworkaustralia.gov.au](http://www.safeworkaustralia.gov.au).



## CUTTING &amp; GRINDING FLUID &amp; INDUSTRIAL DEGREASERS

## RTD METAL CUTTING FLUID

- Metal cutting liquid, paste, spray for reaming, tapping and drilling on all metals

## RTD Liquid:

- A medium viscosity metal cutting liquid that reduces friction and can be easily applied to difficult surfaces

## RTD Compound:

- A soft, low melting point metal cutting lubricant in paste form that can be applied directly by brush



RY550181

ROCOL

RTD LIQUID		RTD COMPOUND			
Item Code	Size	Bishops Code	Item Code	Size	Bishops Code
RY53062	350g	32220081	RY551211	500g	32220010
RY550171	500ml Squeeze Pack	32220094	RY551221	2.5kg	32220020
-	-	-	RY550181	5L	32220095

## ULTRACUT PREMIUM

- High performance metal cutting fluid
- Bio-stable, extreme pressure (EP) water soluble oil formulated to provide premium cutting performance and excellent corrosion resistance
- Excellent residual corrosion protection
- Low foaming characteristics



RY562621

ROCOL

Item Code	Size	Bishops Code
RY562611	5L	32220090
RY562621	20L	32220092

## LAPPING COMPOUND

- Water-mixed aluminium oxide abrasive
- Holds the grit in suspension and provides lubrication
- Size: 500g



Grit	Bishops Code	Grit	Bishops Code
120	32218005	500	32218020
240	32218010	700	32218030
320	32218015	-	-

## VALVE GRINDING COMPOUND

- Water-mixed silicon carbide abrasive
- Can be used in many grinding applications including hardened engine poppet valves



Grit	Size	Bishops Code	Grit	Size	Bishops Code
Fine	75g	32214020	Medium	500g	32214070
Fine	150g	32214030	Coarse	75g	32214080
Fine	500g	32214040	Coarse	150g	32214090
Medium	75g	32214050	Coarse	500g	32214100
Medium	150g	32214060	Fine & Coarse	50g	32214120

## DIFFERENCE BETWEEN DEGREASERS &amp; SURFACE CLEANERS

The distinction between degreaser and surface cleaner can often be unclear. To clear things up, the definition for each product and what they are best used for is explained below.

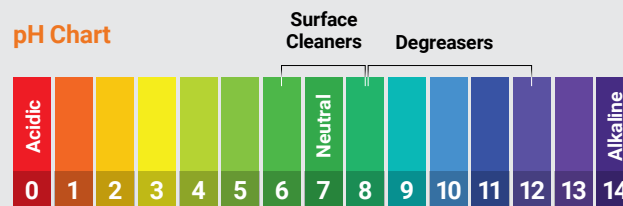
## Degreasers

Degreasers are simply defined as a chemical product that removes grease. On the acidity scale, degreasers are more alkaline (pH 8-12). This allows them to break down tough, organic soils such as grease. Some degreasers also include solvents to help further 'cut through' grease and oils.

## Surface Cleaners

Surface cleaners are ideal for general purpose cleaning applications, on surfaces that are lightly soiled or dusted. All-purposes are typically a pH neutral (pH 6-8), this makes them safer for people and surfaces.

## pH Chart



## SUPREME CLEANER &amp; DEGREASER

simple green

- Concentrated product formulated for heavy-duty degreasing tasks such as engines, machinery, manufacturing equipment, dip tanks, HVACR coils and cooling towers
- Use in aqueous-based parts washer, steam cleaners, floor scrubbers, pressure sprayers and ultrasonic baths
- Ideal for a wide range of industries including manufacturing, mining, automotive and engineering
- Features Quick Break for use in facilities equipped with an oil/water separator
- Not classified as hazardous according to Model Work Health & Safety Regulations and GHS criteria



Item Code	Size
SG13492	20L Drum
SG13493	200L Drum
SG13494	1,000L IBC

SPECIAL ORDER: PLEASE QUOTE ITEM CODE UPON ORDERING THIS PRODUCT

## CITRA-FORCE® CLEANER & DEGREASER

LANOTEC

- A powerful, all purpose, natural cleaner/degreaser concentrate
- Safely cleans stainless steel, aluminium and anodised surfaces without streaking (neutral pH)
- Removes oil, grease, carbon, adhesives, acrylic paint overspray, shipping waxes, blackjack, uncured silicone or sealants, rubberised glues, Lanotec lanolin-based products
- Cleans electrical components, foam filters, workshop floors, toilets and showers, BBQs, pet stables and exhaust canopies
- Citra-Force® affects certain polymers, do not use on rubber or plastics before testing on an inconspicuous area



Item Code	Size	Bishops Code
CF\PP-0400	400g Aerosol	32003010
CF\SP-0750	750ml Spray Pack	32003012
CF\0005	5L	32003020
CF\0010	10L	*CF\0010
CF\0020	20L	32003030
CF\0200	200L	*CF\0200

\* - SPECIAL ORDER: PLEASE QUOTE ITEM CODE UPON ORDERING THIS PRODUCT

## SUPERCLENE DEGREASER

SEPTONE®

- Multi-purpose cleaner/degreaser
- Citrus-based
- Penetrates and emulsifies grease, oil and dirt
- Environmentally friendly, caustic-free and phosphate-free
- Non-flammable
- Ideal as workshop floor cleaner, general degreaser, heavy duty vehicle and machinery wash



HSS20

Item Code	Size	Bishops Code
HSS5	5L	32814054
HSS20	20L	32814056

## DEGREASE IT

SEPTONE®

- Heavy duty water-based degreaser
- Quick break, biodegradable
- Solvent-free and phosphate-free
- Penetrates and emulsifies grease, oil and dirt



ADDI20

Item Code	Size	Bishops Code
ADDI5	5L	32814062
ADDI20	20L	32814064

## DEGREASING FLUID

- A powerful, water-soluble solvent blend specially designed to penetrate and dissolve built-up grime and grease
- Clear, pale-orange liquid with a strong odour
- Cleaning oil and grease stains from concrete driveways, garage floors, motorcycle and car engines
- Water-miscible, solvent-based



Item Code	Size	Bishops Code
17077-61DIG	1L	66550246
17077-4DIG	4L	66550248

## OILSOLVE DEGREASER

SEPTONE®

- Heavy duty solvent degreasing fluid
- Quick break
- Safe on all metals and parts
- Suitable for motor parts, machinery and concrete driveways
- Size: 20L



Item Code	Bishops Code
ADO20	32814072

## LIGHTNING SOLVENT DEGREASER

- Professional strength solvent-based degreaser
- Rapidly dissolves oil, grease, brake dust, silicone and more
- Cleans parts without the need for dismantling
- Fast acting and non-corrosive
- Size: 20L



Size	Bishops Code
MASD020	70521850

GET MORE AT BISHOPS



BUCKETS

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# INDUSTRIAL, PRECISION & ELECTRICAL CLEANERS & DEGREASERS

## HULL CLEANER STAIN REMOVER

- Acid-based cleaner incorporating a biodegradable surfactant
- Cleans and revives fibreglass gelcoat, painted timber surfaces and steelwork
- Ideal for de-yellowing gelcoats/fibreglass
- Phosphoric acid formula is most effective at removing rust stains, converting rust and inhibiting its reformation



MCD1



Item Code	Size	Bishops Code
MCD1	1L	32812230
MCD5	5L	32812235

## HOT SHOT ENGINE DEGREASER

- CRC Hot Shot Degreaser is used on most metal surfaces including car and truck motors, chain saws, boats, lawn mowers, garage floors and industrial and farm machinery
- Rinses off easily and leaves no residue
- Quickly dissolves grease, oil and dirt
- Cleans iron, steel, aluminium, magnesium and copper
- Not harmful to metal, rubber, plastic or concrete
- Size: 500g aerosol



Item Code	Bishops Code
5073	32002490

## BRÄKLEEN BRAKE & PARTS CLEANER

- Fast evaporation
- Minimises downtime associated with 'clean-in-place' cleaning methods
- Residue-free
- Prevents harmful build-up and eliminates rinsing or wiping
- Non-staining and non-corrosive



Item Code	Size	Bishops Code
5089	500g Aerosol	32002520
5091	20L	32002525

## P26 MULTI-PURPOSE CLEANERS & DEGREASER

- Professional strength automotive cleaning products
- P26 Multi-Purpose Degreaser:**
  - Solvent-based
  - Cleans parts without need for dismantling
- P26 Throttle Body & Carb Cleaner:**
  - Cleans fuel and air intake/delivery systems
  - Breaks down slime, sediment and sludge



70521710



70521715

Description	Size	Bishops Code
P26 Multi-Purpose Degreaser	400g	70521710
P26 Throttle Body & Carb Cleaner	400g	70521715

## CO CONTACT CLEANER

- A unique, plastic safe, scientifically formulated, technically proven, stable, inert high purity cleaning solvent
- Non-corrosive, non-staining, rapid-complete evaporation and contains no lubricants
- Contains COZOL – a special proprietary blend of solvents which enhances the cleaning power without damaging plastics
- Fast evaporation
- Minimises downtime associated with "clean-in-place" cleaning methods
- Size: 350g aerosol



Item Code	Bishops Code
2016	32002040

## LECTRA-CLEAN ELECTRIC MOTOR CLEANER

- Contains no trichloroethylene and is a unique, scientifically formulated cleaner/degreaser that is effective in most heavy-duty applications
- Dissolves grease, oil and sludge quickly for more efficient operation of mechanical equipment
- Significantly reduces the risk of fire caused by incidental contact with live electrical equipment or solvents trapped by insulating materials
- Non-flammable
- No flash point, no fire point



Item Code	Size	Bishops Code
2018	400g Aerosol	32002060
2020	4L	32002070

### GET MORE AT BISHOPS



## METAL POLISH

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## ALI BRITE

- Aluminium and stainless steel cleaner
- Acid etch cleaner
- Concentrate formula
- Removes corrosion and oxide film
- Suitable on bullbars, trailers and dinghies

ATA5



**SEPTONE**

## ALL PURPOSE THINNER

- A general purpose paint thinner and cleaning solvent
- Suitable for thinning solvent based paint, acrylics and epoxies
- Improves paint consistency and reduces the risk of imperfections
- Fast drying with a smooth gloss finish
- Recommended to wear suitable protective clothing and accessories while using this product



Item Code	Size	Bishops Code
ATA1	1L	32812240
ATA5	5L	32812245

Item Code	Size	Bishops Code
1700-4DIG	4L	66550222
1700-20	20L	66550224

## WAX & GREASE REMOVER

- Highly effective surface preparation treatment which removes wax, grease, polish, oil, tar, grime, glue and most other contaminants prior to sanding and finishing
- Pre-painting surface cleaner
- Can be used on existing paint surfaces
- Heavy duty cleaning solvent
- Aids in the removal of silicone
- Suitable for use on windows, carpet, furniture and timber surfaces
- Professional finish in automotive environments
- Non-residual
- Size: 1L



## METHYLATED SPIRITS

- Denatured alcohol, used domestically and commercially as a cleaner and solvent for paints, lacquers and varnishes
- Suitable for table burners and methylated spirits stoves
- Cleaner for glass, mirrors, showers, tiles, fridges, ovens and other household appliances
- Thinning agent for paints, lacquers and varnishes
- Removes ink from non-porous surfaces
- Cleaning paint brushes
- Hard-surface cleaner and disinfectant



Item Code	Bishops Code
17060-61DIG	66550244

Item Code	Size	Bishops Code
15000-1DIG	1L	66550216
15000-4DIG	4L	66550218
15000-20DIGN	20L	66550220

## CALCIUM, LIME & RUST REMOVER

- A powerful industrial strength cleaner designed for domestic and commercial use
- Extremely effective in removing stains with no scrubbing required
- Removing calcium deposits, lime scale and rust stains from porcelain, sinks, baths, toilets, stainless steel, glass, chrome, fibreglass and cement
- Child-resistant packaging
- Size: 1L



## MINERAL TURPENTINE

- Hydrocarbon solvent specifically designed for use in many paint formulations and associated thinners
- Combines good solvency with controlled evaporation
- Use for thinning paints, linseed oil, waxes and polishes, metal cleaning and clean-up of brushes and equipment after painting



Item Code	Bishops Code
16413-61DIG	66550240

Item Code	Size	Bishops Code
16010-1DIG	1L	66550210
16010-4DIG	4L	66550212
16010-20DIG	20L	66550214

## PAINT STRIPPER

- A powerful methylene chloride based paint stripper that rapidly penetrates and lifts paint for easy removal
- Suitable for applications in automotive, industrial, marine and household areas
- Can be used on timber, metal and masonry surfaces
- The gel formula makes it suitable for vertical surfaces
- Has a coverage of approximately 0.75m<sup>2</sup> per litre
- Recommended to wear suitable protective clothing and accessories while using this product



## ACETONE

- DIY cleaner and degreaser
- Use as a lacquer thinner or paint softener
- Ideal for cleaning fibreglass and PVC pipes
- 4L



Item Code	Size	Bishops Code
16885-60DIG	500ml	66550226
16885-61DIG	1L	66550228
16885-4DIG	4L	66550230

Item Code	Bishops Code
16255-4DIG	66520090



# AUTOMOTIVE FUEL TREATMENTS

## DIESEL BIOCIDIC FUEL TREATMENT

- Diesel fuel additive to stop bacterial growth that can cause contamination
- Prevents fuel system blockages
- Suitable for decontaminating on-site storage and tank facilities
- High flash point for safe handling



Size	Bishops Code
1L	70521900
20L	70521902

## DIESEL FUEL STABILISER

- Fuel additive to stabilise diesel performance
- Prevents fuel from going stale when not used for up to 12 months
- Rust and corrosion protection



Size	Bishops Code
375ml	70521690

## DIESEL INJECTOR CLEANER

- Multi-purpose fuel treatment
- Cleans injectors and reduces blockages
- Improves acceleration and power



Size	Bishops Code
375ml	70521685

## DIESEL TOTAL SYSTEM CLEANER

- Professional strength diesel fuel additive
- Cleans fuel tank, lines, injectors, carburetors and inlet valves
- Reduces fuel consumption



Size	Bishops Code
375ml	70521695

## GET MORE AT BISHOPS



## ENGINE STAND

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## ENVIRO+ DPF CLEANER

- Diesel fuel additive that cleans block diesel particulate filters
- Improves fuel economy and reduces emissions
- Cleans fuel injectors
- Improves combustion efficiency



Size	Bishops Code
375ml	70521680

## PETROL FUEL STABILISER

- Fuel additive to stabilise petrol/gasoline performance
- Prevents fuel from going stale when not used for up to 12 months
- Rust and corrosion protection



Size	Bishops Code
250ml	70521672

## PETROL INJECTOR CLEANER

- Multi-purpose fuel treatment
- Cleans fuel injectors and carburetors
- Increases engine power
- Rust and corrosion protection
- Suitable for all unleaded and E10 fuel



Size	Bishops Code
375ml	70521670

## PETROL OCTANE BOOSTER

- Fuel treatment to enhance the octane rating of regular 91 unleaded octane petrol
- Improves power, acceleration and fuel economy
- Keeps inlet valves and injectors clean
- Suitable for older and newer type engines
- Reduces exhaust emissions



Size	Bishops Code
375ml	70521678

## PETROL TOTAL SYSTEM CLEANER

- Professional strength petrol fuel additive
- Cleans fuel tank, lines, injectors, carburettors and inlet valves
- Reduces fuel consumption



Size	Bishops Code
375ml	70521675

## GREEN OEM COOLANT CONCENTRATE

- OEM approved anti-boil/anti-freeze coolant
- Rust and corrosion protection
- Requires further dilution with demineralised water
- Phosphate, nitrite and amine free



Size	Bishops Code
1L	70521802

## 350,000KM GREEN COOLANT CONCENTRATE

- Anti-freeze/anti-boil coolant
- Requires further dilution with demineralised water
- 350,000km drain intervals
- Silicate, phosphate and amine free



Size	Bishops Code	Size	Bishops Code
1L	70521800	5L	70521810
2.5L	70521805	20L	70521815

## RED OEM COOLANT PREMIX

- Ready to use anti-freeze/anti-boil coolant mix
- Borate, phosphate, nitrite and amine free
- OEM approved



Size	Bishops Code
1L	70521910
5L	70521915

## ENGINE FLUSH

- Fast acting engine flush fluid
- Removes deposits, sludge and contaminants
- Added zinc for wear protection
- Solvent-free



Size	Bishops Code
375ml	70521650

## RADIATOR FLUSH

- Fast acting alkaline cooling system cleaner
- Removes rust, scale and other deposits
- Improves circulation
- Compatible with all types of coolants
- Non-acidic



Size	Bishops Code
375ml	70521665

## RADIATOR GREEN CORROSION INHIBITOR CONCENTRATE

- Hybrid organic corrosion inhibitor
- Protects against scaling and oxidation
- Silicate, phosphate and amine free



Size	Bishops Code
500ml	70521825



## BRAKE FLUIDS, STOP LEAK & INSPECTION PRODUCTS

### SUPER DOT 4 BRAKE FLUID

- Excellent braking response due to high boiling point of fluid
- High wet boiling point ensures long term retention of fluid performance
- Better performance for Life of fluid compared to DOT 3 fluids
- Compatible with all common brake system materials
- Compatible with DOT 3 and DOT 5.1 (low temperature, non-silicone type)



Size	Bishops Code
500ml	70520100
4L	70520105
20L	70520110

### RACING BRAKE FLUID

- Excellent braking response due to high boiling point of fluid 316° C (600°F)
- High wet boiling point ensures long term retention of fluid performance
- Better performance for life of fluid compared to Super DOT 4 fluids
- Compatible with all common brake system materials
- Compatible with DOT 5.1 (low temperature, non-silicone type)



Size	Bishops Code
500ml	70520102

### STOP LEAK AUTOMOTIVE FLUIDS

- Controls leaks in various automotive areas
- Size: 375ml



Item Code	Bishops Code
Engine Stop Leak	70521655
Radiator Stop Leak	70521660

### BAR'S LEAKS STOP LEAK

- Forms a lasting repair for both internal and external leaks in the head block and/or radiator
- Principal ingredient is a natural product
- Harmless to rubber, plastic and all metals
- Non-toxic



Item Code	Size	Bishops Code
BL150	150g	32004070
BL340	340g	32004080

### PRUSSIAN BLUE FITTING COMPOUND

- Aids precision-fitting of machined surfaces
- Non-drying compound
- Locates high spots on bearings, valves, gears, and other close-to-tolerance components
- Easy clean-up
- Size: 22ml tube



Item Code	Bishops Code
PX80038	32418160

### WATER FINDING PASTE

- For testing the presence of water at the bottom of fuel storage tanks
- Applied to a rod or length of string with bottom weight, the brown paste changes colour to brilliant red where it comes into contact with water giving you a visual indication as to the depth of the water present
- Size: 85g tube



Item Code	Bishops Code
460-KK01	32220154

### FUEL, OIL & CHEMICAL FINDING PASTE

- Can be used with a measuring gauge, rod or calibrated line to determine water or fuel level
- Light pink paste turns to a contrast of red upon contact with petrol or gasoline, naphthalene, kerosene, gas oil, crude oil, jet fuels and various chemicals
- 62g tub



Item Code	Bishops Code
KKGGP	32220156

GET MORE AT BISHOPS



STORAGE CABINETS

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## FLAWFINDER CRACK DETECTION KIT

- Three part method of crack detection for welded joints and engineering components during maintenance and manufacturing
- Ideal for cast and welded metal components, glass and ceramic components
- Use under normal light conditions
- Approved to DTD929 and meets ASME specifications



RY642543

Item Code	Description	Size	Bishops Code
RY642564	VW Penetrant	250g	32224060
RY642552	Cleaner	300g	32224070
RY642572	Developer	300g	32224080
RY642543	3 Step Flawfinder Kit		32224050

## ARDROX® 8901W WHITE BACKGROUND LACQUER

- White background lacquer for visible magnetic particle inspection
- Ardrex 8901W is a suspension of a white pigment in a resin base, which utilises a fast drying, flammable solvent system
- Does not contain any halogenated hydrocarbons
- Non-chlorinated
- Size: 300g aerosol



Item Code	Bishops Code
8901W	32225010

## ARDROX® 800/3 BLACK MAGNETIC INK

- Ardrex 800/3 consists of very finely divided black magnetic particles suspended in high flash point odourless kerosene designed to provide good particle mobility
- The black particles have been selected for their high magnetic response, low coercivity (to avoid coagulation) and prolonged operational life
- Pre-mixed, high sensitivity
- Size: 300g aerosol



Item Code	Bishops Code
800/3	32225011



## ARDROX® 907PB RED DYE PENETRANT

- Water-washable red penetrant
- Can be used in non-destructive testing of forged parts, welds, casts and drop forged parts
- Used for the detection of defects such as cracks, laps, cold shuts, porosity, bursts, casting and welding discontinuities
- Size: 300g aerosol



Item Code	Bishops Code
807PB	32225012

## ARDROX® 8501 FLUORESCENT MAGNETIC INK

- Ready-to-use suspension of a fluorescent iron oxide with the finest particle size in a carrier oil with a high flashpoint and low aromatic contents.
- Size: 300g aerosol



Item Code	Bishops Code
198874	32225013

## ARDROX® 9D1B NON-AQUEOUS DEVELOPER

- Ardrex® 9D1B is a liquid suspension of an inert white powder in a quick drying solvent
- Low sulphur, halogen and alkali metal content
- Used as developers in penetrant testing of forged parts, welds, cast and drop forged parts
- White
- Size: 300g aerosol



Item Code	Bishops Code
9D1B	32225014

## ARDROX® 9PR50C PENETRANT REMOVER

- Ardrex 9PR50 is a colourless, highly volatile, solvent-based penetrant remover
- Low sulphur and halogen content
- Mainly used for the removal of both visible red dye and fluorescent penetrants
- Can also be used as a solvent pre-cleaner prior to the penetrant application for the removal of oil and greases
- Flash point: > 38°C
- Clear
- Size: 300g aerosol



Item Code	Bishops Code
9PR50C	32225015



# REPAIR PUTTY & LIQUIDS

## FIXMASTER® METAL MAGIC STEEL STICK

- An easy to use, steel-filled compound designed for emergency maintenance repairs on dry or damp surfaces
- The resin and hardener are pre-measured for consistent strength and easy application – simply twist off desired amount, knead and apply
- Cures to a metal-like finish in less than 10 minutes under typical dry service temperatures of -30 to 121°C.
- Suitable for sealing chemical tanks, smoothing welds, pipe and tank leaks, filling oversized bolt holes, repairing holes in elbows cracks in castings and holes in gas and fuel tanks
- Size: 113g



Item Code	Bishops Code
98853	32422030

## 2K TECH® REPAIR FILLER

- Premium grade 2K body filler
- Creamy texture, minimal pin-holing
- Effortless blading
- Easy sanding
- Compatible with all automotive paint systems
- Size: 4kg



Item Code	Bishops Code
AB2T4	32422820

## GELCOAT REPAIR FILLER

- High quality lightweight polyester body filler
- Used to repair chips, scratches and cracks in polyester gelcoats as found on fibreglass boats etc.
- Buttery texture makes it easy to apply with no sag even at high build levels
- The viscosity, gel and cure are strictly controlled to provide consistent quality
- Exhibits excellent adhesion, minimal surface tack, easy sanding and good featheredging
- Cures to a white finish when used with the enclosed hardener
- Not suitable for use below the water line unless the surface is sealed with the appropriate top coat
- Size: 400g



Item Code	Bishops Code
ABG400	32812220

## PLASTIC STEEL PUTTY (A)

- Steel filled epoxy for maintenance, repairs, tooling and production applications
- Can be machined, drilled, tapped and painted
- Hardens in about 4 hours, will not shrink, has excellent heat transfer and bonds to a variety of substrates
- Max. temperature: 120°C
- Size: 500g



D10110



Item Code	Bishops Code
D10110	32414345

## PLASTIC STEEL LIQUID (B)

- Low viscosity steel filled epoxy with similar properties to Plastic Steel Putty but in a liquid form for accurate detail reproduction
- Used for casting low-cost patterns and moulds, holding fixtures, tools and dies
- Low viscosity for easy pouring
- Max. temperature: 120°C
- Size: 500g



Item Code	Bishops Code
D10210	32414340

## PLASTIC STEEL 5-MINUTE PUTTY (SF)

- Super fast curing steel-filled epoxy
- For low temperature applications
- Perfect for emergency repairs to metal components required back in service after 1 hour
- Repairs pipes, tanks and other essential equipment
- Max. temperature: 93°C



D10240



Item Code	Size	Bishops Code
D10250	250g	32422300
D10240	500g	32422310

## ALUMINIUM PUTTY (F)

- Lightweight aluminium filled epoxy
- Aluminium finish
- Non-sagging, non-rusting epoxy putty
- Ideal for rebuilding and repairing aluminium castings, parts and equipment
- Max. temperature: 120°C
- Size: 500g



Item Code	Bishops Code
D10610	32422240

## TITANIUM PUTTY

- High performance, titanium reinforced epoxy
- Engineered for making critical repairs to machinery and precision parts
- Rebuilds shafts, keyways and bearing housings
- Wear resistant
- Superior compressive strength
- Max. temperature: 176°C
- Size: 500g



Item Code	Bishops Code
D10760	32422440

## CERAMIC REPAIR PUTTY

- Non-sag, trowelable ceramic-filled epoxy compound
- Excellent resistance to corrosion, cavitation, chemicals and erosion
- Repairs processing equipment such as slurry, service water, centrifugal and ash pumps
- Max. temperature: up to 175°C



Item Code	Size	Bishops Code
D11705	500g	32422320
D11700	1.5kg	32422340

## FASMETAL 10 (HVAC)

- Aluminium filled, high strength bonding, patching and sealing paste
- Bonds to aluminium and other metals, ceramics, wood, concrete or glass
- Aids in quickly returning equipment back into service
- Suitable for air conditioning repairs
- Max. temperature: 120°C
- Size: 184g



Item Code	Bishops Code
D19770	32422220

## FLEXANE 80 PUTTY

- Trowelable urethane that cures to Shore A 87 hardness
- 100% solid, tear resistant and retains its shape under pressure like rubber
- Protects against impact, abrasion, vibration, expansion and contraction
- Repairs and rebuilds conveyor belts, line process equipment to dampen, line concrete control joints
- Max temperature: 82°C
- Size: 450g kit



Item Code	Bishops Code
D15820	32422270

## FIBREGLASS REPAIR KIT

- Complete kit to repair large holes and cracks
- Contains Matting, Polyester Resin and Catalyst (MEKP)
- Weather resistant
- Recommended for metal, fibreglass, timber and masonry



Item Code	Bishops Code
ABFR	32428225

## CHEM-I-WELD CHEMICAL WELDING COMPOUND

- Permanently seals small cracks and flaws in cylinder heads, blocks and other castings
- Effective on aluminium, cast iron, steel, brass, bronze and copper castings
- Works by hardening on exposure to air in a confined space
- Size: 325ml



Item Code	Bishops Code
13A	32422620

## NATURAL RUBBER INSERTION

- Commercial grade cotton reinforced rubber
- Excellent abrasion, flexibility and low temperature resistance
- Used extensively for pipe flanges
- Good resistance to caustics and alkalis
- Smooth finish on both sides
- Width: 1.2m
- 10m roll
- Hardness: Shore A 60-70
- 100% modulus: 24kg/cm<sup>2</sup>
- Tensile strength: 50kg/cm<sup>2</sup>
- Elongation at break: 300%
- Tear strength: 12kgf/cm
- Specific gravity: 1.41g/cm<sup>3</sup>
- Temperature range: -20°C to 75°C



Item Code	Description	Thickness	Bishops Code
75-000-011-010	1 Ply	1.5mm	67080015
75-000-031-010	1 Ply	3mm	67080030
75-000-042-010	2 Ply	4.5mm	67080045
75-000-062-010	2 Ply	6mm	67080060
75-000-092-010	2 Ply	9mm	67080090

## FIBREGLASS LAGGING TAPES

- Produced from closely woven or knitted yarns, producing tapes which retain a high degree of softness and flexibility
- Applications include thermal and electrical insulation, gasketing, pipe, hose and valve wrapping, furnace and boiler door seals
- Max. operating temperature: 550°C
- 30m roll



Item Code	Width x Thickness	Bishops Code
083003	25mm x 1.5mm	67050020
083006	25mm x 3.0mm	67050030
083004	50mm x 1.5mm	67050040

## FIBREGLASS LAGGING ROPE

- Consists of a low density blown glass fibre core enclosed in a braided cover of glass yarn
- Provides an efficient method of insulating pipe work and is also suitable for a variety of high temperature sealing and caulking applications
- Max. operating temperature: 550°C
- Size: 25mm x 30m



Item Code	Bishops Code
083708	67050520





# COMPRESSION PACKING & EXTRACTORS

## COMPRESSION PACKING – K10



- Acrylic yarns impregnated with PTFE dispersion
- Economically priced general purpose white packing
- Suitable for use in valves and pumps with water, mild acids and alkalis
- Temperature range: -100°C–260°C
- Max. rotating speed: 10m/s
- Max. dynamic pressure: 30 bar
- Max. static pressure: 100 bar
- 8m roll



Item Code	Size	Bishops Code	Item Code	Size	Bishops Code
191K10030	3.0mm <sup>2</sup>	*191K10030	191K10125	12.5mm <sup>2</sup>	69067015
191K10050	5.0mm <sup>2</sup>	*191K10050	191K10140	14mm <sup>2</sup>	69067016
191K10065	6.5mm <sup>2</sup>	69067012	191K10160	16mm <sup>2</sup>	69067017
191K10080	8.0mm <sup>2</sup>	69067013	191K10190	19mm <sup>2</sup>	69067018
191K10095	9.5mm <sup>2</sup>	69067014	191K10250	25mm <sup>2</sup>	69067019

\* – SPECIAL ORDER: PLEASE QUOTE ITEM CODE UPON ORDERING THIS PRODUCT

## COMPRESSION PACKING – K54F



- A clean non-contaminating packing manufactured from pure PTFE filaments
- Suitable for use in plant wide applications for pumps and valves in virtually all strong acids and alkalis where a high level of resistance to chemical attack is required
- Potable water, food and oxygen service
- Temperature range: -240°C to 260°C
- pH range: 0–14
- Max. rotating speed: 5m/s
- Max. static pressure: 200 bar
- 8m roll



Item Code	Size	Bishops Code	Item Code	Size	Bishops Code
191K54F030	3mm <sup>2</sup>	69067041	191K54F125	12.5mm <sup>2</sup>	69067046
191K54F050	5mm <sup>2</sup>	69067042	191K54F160	16mm <sup>2</sup>	69067047
191K54F065	6.5mm <sup>2</sup>	69067043	191K54F190	19mm <sup>2</sup>	69067048
191K54F080	8mm <sup>2</sup>	69067044	191K54F220	22mm <sup>2</sup>	69067049
191K54F095	9.5mm <sup>2</sup>	69067045	191K54F250	25mm <sup>2</sup>	69067050

## COMPRESSION PACKING – K11



- Acrylic yarns impregnated with graphite dispersion
- Economically priced general purpose black packing suitable for use in valves and pumps due to its low coefficient of friction
- The graphite enhances its chemical resistance allowing it to effectively seal many forms of chemical media commonly found within today's industrial environments
- Temperature range: -100°C to 300°C
- Max. rotating speed: 20m/s
- Max. dynamic pressure: 30 bar
- Max. static pressure: 100 bar
- 8m roll

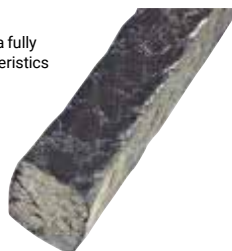


Item Code	Size	Bishops Code	Item Code	Size	Bishops Code
191K11030	3.0mm <sup>2</sup>	69067024	191K11125	12.5mm <sup>2</sup>	69067030
191K11050	5.0mm <sup>2</sup>	69067025	191K11140	14mm <sup>2</sup>	69067031
191K11065	6.5mm <sup>2</sup>	69067026	191K11160	16mm <sup>2</sup>	69067032
191K11080	8.0mm <sup>2</sup>	69067027	191K11190	19mm <sup>2</sup>	69067033
191K11095	9.5mm <sup>2</sup>	69067028	191K11250	25mm <sup>2</sup>	69067034
191K11110	11mm <sup>2</sup>	69067029	–	–	–

## COMPRESSION PACKING – K3222



- A high performance valve and pump packing for use in high pressure and high temperature applications
- Manufactured using expanded graphite ribbons to produce a fully flexible, conformable packing with excellent sealing characteristics
- Also available, wire reinforced for higher pressure applications
- Temperature range: -200°C to 430°C (650°C in steam)
- Max. rotating speed: 20m/s
- pH range: 0–14
- Max. static pressure: 100 bar
- 8m roll



Item Code	Size	Bishops Code	Item Code	Size	Bishops Code
1913222030	3mm <sup>2</sup>	*1913222030	1913222110	11mm <sup>2</sup>	*1913222110
1913222050	5mm <sup>2</sup>	*1913222050	1913222125	12.5mm <sup>2</sup>	67066998
191K54F065	6.5mm <sup>2</sup>	67066992	1913222140	14mm <sup>2</sup>	67066999
1913222080	8mm <sup>2</sup>	67066994	1913222160	16mm <sup>2</sup>	67067000
1913222095	9.5mm <sup>2</sup>	67066995	1913222190	19mm <sup>2</sup>	67067200

\* – SPECIAL ORDER: PLEASE QUOTE ITEM CODE UPON ORDERING THIS PRODUCT

## KLINGER STYLE K7302DL – HEAVY DUTY PACKING



- META ARAMID yarn with DOULON lubrication
- Suitable for water, oils, slurry, sewerage, mild acids and alkalis
- An excellent slurry packing for rotating and static applications
- Used in the mining, power generation, pulp and paper and sugar refining industries
- Max. temp.: 280°C
- Max speed: 20m/s
- Max. pressure: 40\* bar
- pH range: 2–12
- 8m roll



Item Code	Size	Item Code	Size
1917302DL065	6.5mm <sup>2</sup>	1917302DL160	16.0mm <sup>2</sup>
1917302DL080	8.0mm <sup>2</sup>	1917302DL190	19.0mm <sup>2</sup>
1917302DL125	12.5mm <sup>2</sup>	1917302DL250	25.0mm <sup>2</sup>

SPECIAL ORDER: PLEASE QUOTE ITEM CODE UPON ORDERING THIS PRODUCT

## PUMP & VALVE FUGITIVE FUEL EMISSION PACKING – KLINGER STYLE 396 & 396C



- Graphite, Carbon (396) and Inconel wire (396C)
- Style 396 – Suitable for steam, water, caustic and condensate pumps – leak-free performance
- Style 396C – Suitable for steam, boiler feed water, exceeds API requirements – leak-free performance
- Used in the oil and gas, power generation, mining, pulp and paper and sugar refining industries
- Max. temp: 3,000°C+ (Non-oxidizing)
- Min/Max. temp: 200 to 454°C (Oxidizing)
- Max. temp: 650°C (Steam)
- Max. surface speed: 22m/s
- Max. pressure: Style 396 – 175 bar static and 35 bar rotary
- Max. pressure: Style 396C – 345 bar static and 56 bar rotary
- pH range: Style 396 – 0–14 (Except strong oxidisers – Nitric, Oleum, etc)
- pH range: Style 396C – 1–14 (Except strong oxidisers – Nitric, Oleum, etc)



Item Code	Size	Weight	Approx. Length
<b>STYLE 396</b>			
191M396100	10mm <sup>2</sup>	1kg	8.8m
191M396130	13mm <sup>2</sup>	3kg	18.7m
191M396160	16mm <sup>2</sup>	3kg	10m
191M396190	19mm <sup>2</sup>	3kg	7.6m
<b>STYLE 396C</b>			
191M396C030	3mm <sup>2</sup>	1kg	50.6m
191M396C050	5mm <sup>2</sup>	1kg	25.7m
191M396C080	8mm <sup>2</sup>	1kg	12.5m
191M396C100	10mm <sup>2</sup>	1kg	7.8m

SPECIAL ORDER: PLEASE QUOTE ITEM CODE UPON ORDERING THIS PRODUCT

## FLEXIBLE PACKING EXTRACTORS



- High quality packing extractors for use on pumps, valves and other static applications
- Assist in total removal of gland packing without damaging the shaft or the stuffing box
- Flexible shaft is ideal for extracting packing from awkward and hard to reach positions
- Replacement tips available



Item Code	Description	To Suit Packing	Bishops Code
191001	Size 1	6.5–9.5mm	67074015
191002	Size 2	9.5–12.5mm	67074020
191003	Size 3	12.5–16.0mm	67074025
191004	Size 4	16.0mm plus	67074028
K0036075/1	4 Piece Extractor Set		67074030
191005	Replacement Tip to Suit Size 1 Hook		*191005
191006	Replacement Tip to Suit Size 2 Hook		*191006
191007	Replacement Tip to Suit Size 3 Hook		*191007

\* – SPECIAL ORDER: PLEASE QUOTE ITEM CODE UPON ORDERING THIS PRODUCT



**KLINGERSTATITE AS80.090**

- Oil/fuel resistant gasket paper
- Gearbox, carburetors, water pumps
- Temperature range: 0°C to 120°C



**PER METRE**

Item Code	Size	Bishops Code
114001	0.2mm x 1m	67020015
114044/1A	0.25mm x 1m	67020025
114045	0.4mm x 1m	67020040
114046/1	0.8mm x 1m	67020080
114047	1.5mm x 1m	67020150
114027	2.4mm x 1m	67020240
114049/1	3.2mm x 1m	67020320

**ROLLETTE – 1M**

Item Code	Size	Bishops Code
114104	0.4mm x 300mm	67020404
114108	0.8mm x 300mm	67020408
114115	1.5mm x 300mm	67020415

**MR 31 PLUS NEO RUBBER CORKS**

- Water and oil gasket
- Cork rubber products offer many of the advantages of rubber compounds along with the added benefit of controlled compressibility and recovery
- Highly compressible automotive and general purpose gasket material with moderate oil resistance



**SHEET – 1,270 X 762MM**

Item Code	Thickness	Bishops Code
119254	1.6mm	67012040
119252	2.4mm	* 119252
119253	3.2mm	67012080
119251	6.4mm	67012100

**ROLLETTE – 762 X 300MM**

Item Code	Thickness	Bishops Code
110153	1.6mm	67012015
110156	3.2mm	67012030

\* – SPECIAL ORDER: PLEASE QUOTE ITEM CODE UPON ORDERING THIS PRODUCT

**KLINGERSIL® C4243**

- Universal gasket material for general applications
- Suitable for liquids and gases at lower pressure and temperatures
- Good chemical resistance against water and oil
- Max. temperature: 100°C
- Max. pressure: 30 bar
- Sheet size: 1.0 x 1.5m



Item Code	Thickness	Bishops Code	Item Code	Thickness	Bishops Code
767145	0.4mm	67032020	767126	2mm	67032080
767146	1mm	67032040	767128	3mm	67032100
767124	1.5mm	67032060	-	-	-

**KLINGERSIL® C4430**

- BS7531 Grade X
- AS4020 – Potable water
- A general purpose non-asbestos material offering good resistance to oils, fuels, hydrocarbons, alcohols, lubricants and steam as well as mild acids and alkalis
- Also available wire reinforced
- 3xA anti-stick finish as standard
- Max. temperature: 400°C
- Max. pressure: 40 bar
- Sheet size: 2.0 x 1.5m



Item Code	Thickness	Bishops Code	Item Code	Thickness	Bishops Code
<b>SHEET – 2.0 X 1.5M</b>					
757245	0.4mm	67038101	757224	1.5mm	67038105
757221	0.5mm	67038102	757226	2.0mm	67038106
757246	0.8mm	67038103	757228	3.0mm	67038107
757222	1.0mm	67038104	-	-	-
<b>SHEET – 1.0M X 300MM</b>					
757945	0.4mm	67030004	757924	1.5mm	67030015
757946	0.8mm	67030008	-	-	-

**WIRE REINFORCED STEAM GASKETS – TG2008**



- TOPgraph 2008 sheet
- The flexible graphite sealing material with a high degree of inherent stability
- It has high load bearing capacity combined with high seal ability
- Ideally suited for use with steam and other critical applications
- Grade TG2008 is wire reinforced
- Max. temperature: 500°C
- Max. pressure: 100 bar
- Sheet size: 1.0 x 1.5m



Item Code	Thickness	Bishops Code	Item Code	Thickness	Bishops Code
562008108	0.8mm	67038020	562008120	2.5mm	67038050
562008110	1.0mm	67038025	562008130	3.2mm	67038060
562008115	1.5mm	67038040	-	-	-

**KLINGER® SOFTCHEM R**



- A multi-directional, 100% expanded PTFE sheet gasket material
- The best choice for sealing uneven and damaged flanges
- Easy to cut and install and requires low compressive loads to seal
- Virtually compatible with all media across the PH range
- Max. temperature: 230°C
- Max. pressure rating: 40 bar
- Sheet size: 1.5m x 1.5m



Item Code	Thickness
551150015	1.5mm
551150030	3.0mm

SPECIAL ORDER: PLEASE QUOTE ITEM CODE UPON ORDERING THIS PRODUCT

**SOFT CUT METALLIC & SEMI-METALLIC & GRAPHITE LAMINATED GASKETS**

Available on request, manufactured from various materials to standard and non-standard sizes

- Raised face or Full face gaskets cut from KlingerSil sheeting to all international standards and non-standard gasket sizes
- Maxiflex Spiral Wound Gaskets – Type R, CR RIR and CRIR
- Maxiprofile Gaskets – Kammprofile – T108 and T109 Heat exchanger gaskets
- Metallic Ring Joints (RTJ) – Type R Oval and Octagonal – Type RX and BX
- Graphite laminated gaskets – PSM – Graphite with metal insert
- Metal jacketed (clad) gaskets - All shapes and sizes for heat exchangers



CONTACT YOUR BISHOPS REPRESENTATIVE FOR MORE INFORMATION

**GET MORE AT BISHOPS**



**GASKET SEALANT**

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## INSTANT &amp; EPOXY ADHESIVES

## QUICK GUIDE

Here's a quick guide to the difference between instant adhesives and epoxy adhesives.

They are both chemically curing, meaning that they harden through chemical reaction.

**Instant Adhesives** are in single component form where the hardening agent is often an external catalyst such as moisture. Most instant adhesives are cyanoacrylate based which cures through evaporation.

**Epoxy** comes in two component form, kept separate until hardening is required. When they are mixed together, the catalyst for hardening occurs to bond two surfaces together.

## LOCTITE 401 INSTANT ADHESIVE



- 401 is a low viscosity, fast curing, cyanoacrylate adhesive
- This product is less dependant on surface moisture for cure speed than other standard CA grades
- Can be used with PP primer 770 for polyolefin bonding.
- Suitable for rapid bonding of metal, plastic, rubber, cork, wood, paper, leather, fabric etc.
- Unique chemistry ensures rapid cure even on difficult to bond substrates (may require priming)
- Size: 25ml



Item Code	Bishops Code
40124-25	32414040

## LOCTITE 406 INSTANT ADHESIVE



- High strength cyanoacrylate adhesive for bonding difficult materials. Rapid bonding of wood, leather, metal, plastic, rubber, cork, fabric, paper and ceramics
- Fixes very fast, even on difficult to bond substrates (may require priming)
- Low viscosity
- Fast fix time of 2-30 seconds
- Cure colour: Clear
- Service temperature: -40°C to 120°C



Item Code	Size	Bishops Code
40633-25	25ml	32414110
40633-100	100ml	32414050

## LOCTITE 454 INSTANT ADHESIVE GEL



- Cyanoacrylate adhesive with gel consistency for bonding difficult and porous substrates even on vertical surfaces. Superior gap filling ability up to 0.25mm (0.010").
- Suitable for rapid bonding of metal, plastic, rubber, cork, wood, paper, leather, fabric and more
- No run, no drip
- Fast fix time of 2-60 seconds
- Size: 20g



Item Code	Bishops Code
A045416	32414090

## LOCTITE 3801 FIVE MINUTE EPOXY ADHESIVE



- Fast setting, two component industrial grade epoxy adhesive
- High strength and general purpose
- Cures at room temperature and forms a clear bondline
- When fully cured, the epoxy is resistant to a wide range of chemicals and solvents, and acts as an excellent electrical insulator
- Suitable for general purpose bonding of wood, metals, ceramic, concrete, marble, glass, china, fibreglass and laminates
- Size: 25ml



Item Code	Bishops Code
20981	32414020

## 5 MINUTE EPOXY ADHESIVE



- Rapid-curing general purpose adhesive
- Bonds surfaces such as metals, glass, ceramics, concrete and wood
- Functional cure: 45 minutes
- Working time: 4 minutes
- Cure colour: clear
- Service temperature: -4°C to 90°C
- Size: 28.4g



Item Code	Bishops Code
DS-208	32414325

## ARALDITE® EPOXY ADHESIVE

- Two part epoxy adhesives
- Bonds a variety of surfaces
- Forms a rigid, durable bond
- Gap filling properties
- Dries clear
- 5 Minute Everyday**
  - Quick setting
  - Moderate water resistance
- High Strength**
  - Initial bonding achieved in 6-8 hours
  - High shear and peel strength
  - Very high water and weather resistance



Description	Size	Bishops Code
5 Minute	35ml	32414295
High Strength	200ml	32414298

## PLASTIC STEEL EPOXY



- High strength bond (17MPa, 2,500psi) bonds to itself and other metals
- Ideal for use with metal, steel, aluminium, copper, iron and pewter
- Excellent for filling under speedy sleeves or where heat transfer is critical
- Service temperature: 40°C wet or 120°C dry
- Cure time: 60mins
- Bond time: 16hrs



Item Code	Bishops Code
DS-5	32414305

# WHAT IS A BONDING ADHESIVE?

Bonding adhesives, unlike chemical curing adhesives, already exist in their final chemical form. To keep these adhesives from hardening, different solvents, both chemical and water based, are used. After application, the solvent evaporates, allowing the adhesive to cure.

**Solvents** are potentially harmful chemicals. When used in adhesives they produce a strong intermediate bond allowing the bonding surfaces to be moved for a short period of time before the adhesive cures. After curing, the adhesive remains slightly flexible. The harmful chemicals ("VOCS") used in solvents can potentially damage the surrounding environment, so be sure to check the manufacturer's SDS.

**Solvent-Free** adhesives, typically water based, work in a similar way. To classify as a solvent-free adhesive, the chemical makeup must consist of less than 5% solvent. Being generally water based, these adhesives bond better to porous and semi-porous surfaces such as wood, paper, fabric and leather.

## PLASTIC WELDER

- Toughened structural adhesive formulated for bonding dissimilar substances
- Highly resistant to hydrocarbon fuels
- Bonds PVC, fibreglass, ABS, steel, acrylics, polycarbonate, polyesters (PET, PBT), wood and ceramics
- Cure colour: cream
- Service temperature: -55°C to 120°C
- Size: 28.4g



Item Code	Bishops Code
DS-220	32414335

## AA 324 HIGH IMPACT STRUCTURAL ADHESIVE

- A high impact, toughened, two step acrylic, no mixing required, amber, multi-surface structural adhesive
- Loctite 324 is solvent resistant and, when used in conjunction with Loctite Primer 7075, is ideal for large gap applications
- Loctite 324 offers the strength of an epoxy and the speed of an instant, fixturing in 5 minutes
- Size: 50ml



Item Code	Bishops Code
32430	32420190

## LIQUID NAILS CONSTRUCTION ADHESIVE

- General purpose construction adhesive
- Has a high strength bond to most building materials and is polystyrene safe
- Gun style application makes it easy to use
- Suitable for both interior and exterior applications
- Ideal for most industrial and household materials such as steel, sheet metal, timber, plasterboard, ceramics and more
- Beige



Size	Bishops Code
320g	32414230

## CONTACT BOND ADHESIVE

- Solvent-based contact adhesive
- Extra strong and flexible bond
- Easy to apply with brush or scraper
- Water and heat resistant
- Suitable for use on most natural and neoprene rubbers as well as porous and non-porous surfaces



Size	Bishops Code
1L	32414200

## KWIK GRIP HORIZONTAL CONTACT ADHESIVE

- Strong and durable adhesive ideal for horizontal surfaces
- Easy to apply and no running or stringing
- Suitable for interior and exterior jobs
- Heat resistant up to 130°C
- Water resistant
- Size: 4L



Item Code	Bishops Code
9300697102256	32414170

# STICKY STUFF

Did you know that the drying time for bonding adhesive sprays depends heavily on the solids content?

**High Solids Content** means that the spray takes longer to dry, allowing time for bonding materials to be moved into position before curing.

**Low Solids Content** means that the spray will dry very quickly, which may be more important to you.



# BONDING ADHESIVES, RETAINING COMPOUNDS & PRIMERS

## PVC PIPE SOLVENT CEMENT

- PVC solvent is suitable for use in pressure applications, including potable water



Size	Colour	Bishops Code
250ml	Blue	32414250
500ml	Blue	32414255
500ml	Green	32414258

## RED PVC PRIMING FLUID

- Cleans and primes PVC pipes, fittings and sheeting



Size	Bishops Code
500ml	32414266

## RETAINING COMPOUNDS

- Loctite Anaerobic Retaining Compounds can be used to augment or replace traditional interference fits for cylindrical components
- They increase assembly strength
- Prevent fretting corrosion and backlash
- Reduce assembly cost
- Can be used to reclaim worn parts



Product Code	Description	Colour	Max. Gap Fill	Temperature Range	Size	Bishops Code
30013					10ml	32420240
30015	Loctite 609 Retaining Compound – Medium/high strength for metal pulleys, sprockets, sleeves, couplings, bearings, etc. Dismantles with press or pullers	Green	0.2mm	-54 to 150°C	50ml	32420250
30014					250ml	32420252
62050	Loctite 620 Retaining Compound – High Strength – High temp (230°C)	Green	0.25mm	-54 to 230°C	50ml	32420260
63531	Loctite 635 Retaining Compound – Very High Strength – Slow cure. Ideal where time is required for assembly	Green	0.2mm	-54 to 150°C	50ml	32420270
21314	Loctite 641 Bearing Mount – Medium Strength – Ideal for parts that require disassembly.				10ml	32420050
45079	Can be used in slip, press or shrink fits to prevent unwanted movement & fretting corrosion.	Yellow	0.2mm	-54 to 150°C	50ml	32420060
45081	Applications: mounting bearings, bushes, sleeves, seals, valve guides, woodruff keys & liner assemblies				250ml	32420070
66010A	Loctite 660 Quickmetal® – High Strength Press Fit Repair – Gap filling paste. Repairs worn shafts or housings, keyways, splines & creates form in place shims	Silver	0.5mm	-54 to 150°C	50ml	32422020
1800574	Loctite 680 Retaining Compound – Very High Strength – Fast cure for slip fit assemblies. High load transmitting grade for permanent assemblies, e.g. earth moving, mining equipment	Green	0.2mm	-54 to 180°C	50ml	32420280

## LOCTITE 770 PP PRIMER

- 770 Polyolefin Primer is a single component material which dries rapidly at room temperature
- Enables polyolefin and other low energy surfaces suitable for bonding with Loctite cyanoacrylate adhesives
- Size: 100ml



Item Code	Bishops Code
29520A	32420315

## LOCTITE 7471 PRIMER

- Primer designed to speed the cure of Loctite anaerobic adhesives and sealants.
- Use where gaps slightly exceed normal recommendations
- Use when accelerated cure speed is required in cold weather or on inactive metals
- Note: not a cleaner/degreaser
- Size: 133ml



Item Code	Bishops Code
22477	32420310



# JOINTING TIPS

Looking to get the best finish possible? Take a look at some of our handy tips!

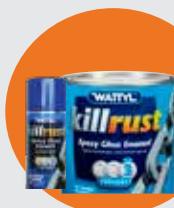
Tape both sides of the gap before applying the jointing compound. Simply remove the tap afterwards for straight edges. Check out Bishops' range of tapes starting on page 346.



Extrude a small amount of compound onto scrap material to ensure a smooth and consistent finish. Don't have scrap material laying around? Get yourself a bag of rags on page 403.



Allow surfaces to skin before painting. It takes approximately 30 minutes depending on the conditions for jointing compound to skin. Check OEM specifications before painting. You can find paint starting on page 354.



Do you need help choosing the right jointing compound for your application? Or maybe you just need some advice? Whatever you need,

**Just ask Bishops!**

## HYLOMAR GASKET JOINTING COMPOUND

- Sealing adhesive spray
- Withstands high temperatures
- Resistant to most fuels
- Suitable for use on most gaskets and metals, sumps, pumps, valves, hydraulic and pneumatic assemblies, gearboxes, cylinder heads and axles
- Size: 300g aerosol



Item Code	Bishops Code
HYL200	32418050

## STAG JOINTING COMPOUND

- An oil-proof, petrol-proof and waterproof anti-corrosive compound
- Suitable for air and steam lines, diesel engines and hydraulic equipment
- Size: 200g tube



Item Code	Bishops Code
SG200	32418060

## GAP FILLER

- Multi-purpose gap filler
- Suitable for indoors and outdoors
- Water-based formula allows for easy clean up
- High flexibility and a longer lasting result
- White
- Size: 475g



Size	Bishops Code
475g	32424235

## GAP FILLER

- Acrylic caulk
- Water-based formula
- Suitable for interior and exterior applications
- Can be painted over once fully set with oil-based or other types of paints
- White



Size	Bishops Code
450g	32424230

## PU EXPANDING FOAM

- Universal use
- Fast curing
- Strong adhesion
- No shrinkage once hardened
- High thermal and acoustic insulation
- Makes up to 50L
- Size: 750ml



Item Code	Bishops Code
MPU-M50	32424500

## SIKABOOM AP

- High yield, polyurethane expanding foam
- Excellent adhesion and insulation properties
- Rapidly and economically fills large voids and blocks out dust, noise, draft and vermin
- Cuttable, sandable and paintable, all in a multipositional, all directional can
- Size: 750ml aerosol



Item Code	Bishops Code
411946	32424336



## JOINTING/CHOCKING COMPOUNDS &amp; SILICONE SEALANTS

## DENSO™ PROFILING MASTIC

- Self-supporting, lightweight and flexible mastic for all sealing, filling and caulking purposes
- Used to fill awkward angles prior to wrapping with Denso™ Petrolatum Tapes or Bitumen Tapes
- For use on mechanical joints, flanges, fittings and valves
- Weight for weight Denso™ Profiling Mastic will fill three times the volume filled by other brand mastics due to its low density
- Comes in block form
- Size: 3.5kg



## Item Code

P410100-44

SPECIAL ORDER: PLEASE QUOTE ITEM CODE UPON ORDERING THIS PRODUCT

## DENSOSEAL 16A™

- A non-setting, self-supporting mastic which can be applied to wet surfaces and is designed for sealing ducts and conduits against the ingress of gas and water
- Can easily be applied by hand and is ideal for sealing ducts and conduits that are below ground level and susceptible to infiltration by water or gas
- Can also be used to create smooth profiles around awkwardly shaped mechanical joints on hot pipes prior to the application of a protective tape wrap system
- 8 units per carton
- Size: 1kg



## Item Code

M450001

SPECIAL ORDER: PLEASE QUOTE ITEM CODE UPON ORDERING THIS PRODUCT

## ADHESIVE SILICONE SEALANT

- Single component adhesive silicone sealant
- Suitable for general industrial purposes including metal fabrication, sealing dissimilar metal surfaces, glass to metal and joints in cement and metal pipes
- Very high and wide temperature tolerance, ozone and weather resistance
- Cure: neutral, non-corrosive
- Service temperature: -65°C to 232°C
- Size: 310g cartridge



## Item Code

310G1080CL

## Bishops Code

32424165

## SILASTIC 732 RTV

- Premium multi-purpose sealant
- Single component silicone sealant with no mixing required
- FDA approved
- Waterproof and resistant to a wide range of temperatures



## Colour

## Size

## Bishops Code

Clear	139ml Tube	32424010
Clear	310g Cartridge	32424020
White	139ml Tube	32424040
White	310g Cartridge	32424050
Black	139ml Tube	32424060
Black	310g Cartridge	32424070

## SILASTIC 736 RTV SEALANT

- Heat resistant sealant
- Used for sealing and bonding applications at high temperatures
- Suitable for work on heaters, ovens, smoke stacks, gas appliances and duct work
- Temperature range: -65°C to 315°C
- Red/white
- Size: 90ml/85g



## Item Code

90ML736RED

## Bishops Code

32424110

## SILASTIC 738 RTV SEALANT

- Electrical sealant
- Ideal for bonding and sealing corrosion-sensitive electrical and electronic equipment
- Temperature range: -62°C to 180°C
- White
- Size: 90ml/85g



## Item Code

90ML738WHITE

## Bishops Code

32424130

## RTV 926 SILICONE ADHESIVE SEALANT

- A single component, neutral cure sealant
- Cures quickly to a consistent silicone rubber that remains flexible and durable
- Has a high level of adhesion to most surfaces and can withstand a large range of chemicals and temperatures, making it ideal for industrial applications
- Translucent



## Size

300g

## Bishops Code

32424030

## S6 SANITARY KITCHEN &amp; BATHROOM SEALANT

- One component, non-flowing neutral cure, mid modulus silicone sealant
- Contains an effective fungicide to reduce the growth of mold and mildew
- Offers excellent adhesion to powder coated metal
- Service temperature: -50°C to 150°C
- Size: 300gm



## Colour

Gloss White  
Transparent

## Bishops Code

32424312  
32424314

## PLUMBING ROOF & GUTTER SILICONE

- Neutral cure
- Single component RTV silicone
- Suitable for all types of roofing, guttering and weatherproofing jobs
- Can be used on various metals, ceramics, concretes, painted surfaces and rain water tanks
- Transparent



Size	Bishops Code
300g	32424240

## SIKASIL AP

- Multi-purpose roof and gutter silicone sealant
- Adheres to polycarbonates
- Size: 300ml cartridge



Item Code	Colour	Bishops Code
407717	Black	32424331
405663	White	32424334

## RTV 936 HIGH PERFORMANCE HIGH TEMPERATURE SEALANT

- High temperature industrial silicone sealant
- One component
- 100% silicone rubber
- Suitable for Industrial applications where high heat resistance is required
- For use on industrial ovens and boilers, domestic cookers and ovens, sealing and encapsulating heating elements in appliances, flues on gas appliances, household electrical and industrial heating equipment, smoke stacks and moving oven belts



Size	Bishops Code
300g	32424120

## INDUSTRIAL GRADE WEATHERPROOF NEUTRAL CURE SILICONE

- Suitable for sealing and adhering a wide variety of products and surfaces plus glazing and weather seal applications
- Single component silicone sealant
- Waterproof, UV resistant, low odour and fast drying
- Cure: neutral, non-corrosive
- Service temperature: -62°C to 180°C
- Colour: clear



Size	Bishops Code
300g	32424318

## SIKASIL INDUSTRIAL SILICONE SEALANT

- Silicone adhesive sealant
- Neutral curing
- Fast curing and low odour
- UV and weather resistant, suitable for outdoor use
- Suitable for sealing joints in wet areas, gutters, skylights and general glazing
- Size: 300ml cartridge



Item Code	Bishops Code
525357	32424325

## GET MORE AT BISHOPS



### STEPS & LADDERS

From Page 359

## SEALANT SEAL'N'FLEX 1

- Suitable for all common construction materials including concrete, brick, plasterboard, aluminium windows, granite, marble and fibreglass
- Single component polyurethane sealant
- Resistant to normal weathering conditions such as rain, sunlight, snow, sleet, ozone, atmospheric contamination and pollution
- Approved for use with drinking water
- Neutral, non-corrosive cure
- Service temperature: -40°C to 70°C
- Size: 300ml Cartridge



Description	Bishops Code
Black	32424306
White	32424307

## SIKAFLEX-11FC

- Multi-purpose sealant/adhesive
- Approved for use in potable water
- Size: 310ml cartridge



Item Code	Colour	Bishops Code
134182	White	32424300
134183	Black	32424302



# POLYURETHANE & GASKET SEALANTS

## SIKAFLEX-PRO

- Multi-purpose polyurethane sealant
- Suitable for construction jobs
- Available in 10 colours
- Size: 600ml sausage



Item Code	Bishops Code
90387	32424330

## SIKAFLEX TANK

- Polyurethane joint sealant, ideally suited to contaminated water and high chemical environments
- Suitable for use in facilities for storage, filling and handling of contaminated water and other liquids
- For sealing joints in water retaining structures including sewage, water treatment, filtration and aerating tanks
- Size: 600ml sausage
- Grey



Item Code	Description	Bishops Code
156879	SikaFlex Tank 600ml Sausage	32424335
156879 + 494957	SikaFlex Tank 600ml Kit With Nozzle	32424339

## SIKAFLEX-255 EXTRA

- Windscreen adhesive
- Single component polyurethane adhesive
- Paintable and non-corrosive
- Size: 310ml cartridge
- Black



Item Code	Bishops Code
92010	32424310

## SIKAFLEX 292I

- Single component polyurethane adhesive
- Assembly adhesive ideally suited to marine environments, with high resistance to fresh and sea water
- Elastic with good gap filling properties and can be overpainted
- Bonds well to a variety of substrates
- White



Item Code	Description	Bishops Code
409802	SikaFlex 292i 310ml Cartridge	32424320
409800 + 494957	SikaFlex 292i 600ml Kit With Nozzle	32424321

## SIKAFLEX PRO CONCRETE PU JOINT SEALANT

- Single component polyurethane-based joint sealant
- Excellent adhesion to cement based materials, brick ceramics, polyurethane, epoxy and more
- Good weather resistance
- Suitable for construction jobs
- Non-corrosive
- No mixing required
- Can be painted over
- Size: 600ml sausage with nozzle
- Grey



Item Code	Bishops Code
519842 + 494957	32424338

GET MORE AT BISHOPS



UTILITY KNIVES

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## KLINGER® SEALEX



- Manufactured from 100% virgin PTFE by a unique process
- The resulting product is soft, compressible and highly conformable self adhesive sealing tape
- The best choice for sealing uneven, thin and damaged flanges
- Ideal as an emergency gasket or economical solution to sealing large diameter flanges and tank lids
- Easy to cut to length and install and requires low compressive loads to seal
- Compatible with all media across the pH range
- Max. temperature: 260°C
- Max. pressure rating: 50 bar



Item Code	Thickness x Length	Bishops Code	Item Code	Thickness x Length	Bishops Code
886803	3mm x 30m	*886803	886813	12.5mm x 5m	67038135
886805	5mm x 23m	67038132	886816	16mm x 5m	67038136
886806	7mm x 15m	67038133	886819	19mm x 5m	67038137
886810	10mm x 7.5m	67038134	886820	25mm x 5m	67038138

\* - SPECIAL ORDER: PLEASE QUOTE ITEM CODE UPON ORDERING THIS PRODUCT

## 5920 PREMIUM COPPER SILICONE – GASKET MAKER/SEALANT



- Single component silicone gasket and flange sealant
- Suitable for flexible flanges and gaskets with gaps up to 1mm operating in very high temperature environments
- Low odour, volatility and is sensor safe with good electrical insulation
- Cure: neutral, non-corrosive
- Service temperature: -54°C to 371°C
- Size: 85g tube



Item Code	Bishops Code
287437 - Loctite 5920	32412275



GASKETING SEALANT

- Loctite Flange Sealants can be used to replace gaskets or help gaskets seal
- Loctite Anaerobic Flange Sealants are ideal for small gaps on rigid flanges
- Loctite Silicone Flange Sealants suit gaps up to 6mm on flexible gasket faces and offer outstanding oil resistance
- Loctite Maxx silicones are neutral cure (prevent corrosion), sensor safe and exhibit outstanding hot oil resistance



Item Code	Description	Max. Gap Fill	Temperature Range	Size	Bishops Code
45077	Loctite 510 Gasket Eliminator® – Rigid anaerobic gasketing material for high temp, high chemical resistance. Suitable for highly stressed gearboxes & motors. Adds structural rigidity & eliminates gasket compression set	0.25mm	-54 to 200°C	250ml	32412190
51531A	Loctite 515 Master Gasket® – Flexible anaerobic gasketing material for rigid, machined metal flanges. Eliminates paper, rubber & cork gaskets. Used for pumps, thermostat housings, transmission covers, etc	0.5mm	-54 to 150°C	50ml 300ml	32412200 32412210
51827	Loctite 518 Gasket Eliminator® – Flexible anaerobic gasketing material for alloy parts. For sealing rigid metal flanges against leakage & movement. Recommended for alloy flanges e.g. aluminium gearbox & engine castings	0.25mm	-54 to 150°C	25ml 300ml	32412220 32412230
34848	Loctite 587 Blue Maxx® Silicone – Non-corrosive, low odour, highly flexible, oil resistant, sensor safe. Ideal for inspection covers & gear boxes & where movement causes failure of regular gaskets	6mm	-60 to 260°C	95g 300ml	32412270 32412272
59630	Loctite 596 Superflex® Red – RTV Silicone Sealant – High temperature, viscous, low volatile product, emits small amounts of acetic acid during cure. Sensor safe. Applications include inspection plates, boilers, exhaust ducts, etc. Replaces cork or rubber	6mm	-60 to 315°C	80ml	32412280
20166	Loctite 5900 Heavy Bodied Silicone – Outstanding oil resistance. Fast cure, resists blow-out. Neutral cure, sensor safe. Replaces cork and paper, suits stamped metal covers, sumps, etc.	6mm	-54 to 232°C	300ml	32420235
30514	Loctite #2 Gasket Sealant – Non-hardening, slow dry, flexible cure. Compatible with: cork, metal, plastic & rubber	0.1mm	-54 to 205°C	85g	32412020
3JA	Loctite #3 Aviation Gasket Sealant – Slow drying, non-hardening solvent sealant.	0.1mm	-54 to 205°C	50ml	32412050
30516	Suitable for close fitting machined surfaces, sealing hoses & dressing gaskets	0.1mm	-54 to 205°C	473ml	32412040
4J	Loctite #4 Hard Setting Gasket Cement – Hard setting bottle, petrol & oil resistant. For threaded connections, manifold, coating differential cover, thermostat housing & water pump gaskets	0.2mm	-55 to 170°C	50ml	32412060

THREAD SEALANTS

- Loctite Anaerobic Thread Sealants prevent leakage of fluids and gases from threaded joints
- They offer the ability to seal fittings in any position and can achieve an instant moderate pressure seal



Product Code	Description	Colour	Max. Thread Diameter	Temperature Range	Size	Bishops Code
56747A	Loctite 567 Pipe Sealant – Controlled Strength – High Temp – Ideal for coarse metal threads where slow cure allows adjustment of fittings. Gas approved (AGA Certificate 3207, 1,050kPa)	White	75mm	-54 to 205°C	50ml 250ml	32412250 32412260
19259	Loctite 577 High Pressure Pipe Sealant – Medium Strength – Fast Cure – Ideal for coarse metal threads where high locking strength is required. Approved for potable water (AS/NZS 4020) & gas (AGA Certificate 4787 to 2,600kPa)	Yellow	75mm	-54 to 150°C	50ml 250ml	32412245 32412248
56950	Loctite 569 Hydraulic Sealant – Low Strength – Fast Cure – Recommended for fine threaded fittings as used in hydraulic & pneumatic applications	Brown	17mm	-54 to 150°C	50ml 250ml	32420220 32420230

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PAINT BRUSHES

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GLOVES

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# THREADLOCKERS, CAULKING GUNS & APPLICATORS



## THREADLOCKERS

- Loctite Anaerobic Threadlockers prevent loosening due to vibration
- Prevents seal threads against leakage and corrosion
- Provide controlled lubrication for correct torque – tension relationship (clamp load)



LUBRICANTS, SEALANTS & CHEMICALS

Product Code	Description	Strength	Colour	Temperature Range	Size	Bishops Code
22220	Loctite 222 Screw Lock Threadlocker – Best strength for screws & small fasteners. Will undo with normal tools. Also use on low strength metals such as aluminium which can break during disassembly	Low	Pink	-55 to 150°C	10ml	32420020
22250					50ml	32420030
45083					250ml	32420040
44089	Loctite Best Ever 243 Threadlocker – Best strength for nuts & bolts, undo with hand tools. Improved oil tolerance, cure on passive metals & heat ageing. Eliminates backlash in keyways	Medium	Blue	-55 to 180°C	10ml	32420080
44092					50ml	32420090
44094					250ml	32420100
44279	Loctite Best Ever 263 High Strength Threadlocker – Best strength for large fasteners & studs. Improved oil tolerance, cure on passive metals & heat ageing. May require heat to remove	High	Red	-55 to 180°C	10ml	32420110
44130					50ml	32420140
44131					250ml	32420150
27750	Loctite 277 Threadlocker – Very high strength & chemical resistance. Very high viscosity for threads to 50mm in severe operating conditions. Outstanding chemical resistance. Heat may be required for disassembly	High	Red	-55 to 150°C	50ml	32420160
29020A	Loctite 290 Wick In Medium Strength – Very low viscosity grade for post assembly applications, e.g. adjustment screws. Wicks in by capillary action. Fast cure, excellent chemical resistance. Also seals porosity	Med-High	Green	-55 to 150°C	10ml	32420170
45076					50ml	32420180

## COMPACT FOAM GUN APPLICATOR

- For use with fire rated foam cartridges
- Nylon multi use
- Plastic screw top



Item Code	Bishops Code
MUCMPPHO	32424515

## CAULKING GUN

- Easy trigger action
- Suits both sausages and cartridges
- 370mm barrel
- Capacity: 600ml



Item Code	Bishops Code
182102	62520220

## CAULKING GUN

- Suitable for use at home or in the workplace
- Skeleton style
- Features finger guard for comfort
- Big ladder hook
- Suits 310ml cartridges
- Pistol rod diameter: 7.8mm



Item Code	Bishops Code
LY-G2-01-CSR	62520020

## SIKAFLEX SAUSAGE NOZZLES

- Tapered design
- Suitable for all Sikaflex sausages
- Easily cuttable
- 3 per pack



Item Code	Bishops Code
494957	32424340



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- Clothing & Footwear
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