

GO

GETS YOU GOING!

**PREVENTS
& REMOVES
RUST
INSTANTLY**



LUBRICANTS & PENETRANTS

RUST PREVENTIVE LUBRICANT SPRAY



A Took Kit in a Can!

GO-20 is a multi-purpose industrial spray that can be used as a lubricant, a rust remover, a moisture displacer & cleaning and protecting agent. Very useful in mechanical maintenance.

The GROZ GO20 is the

Ultimate Moisture Displacer

Exceptional water displacement properties, it is ideal for use in humid environments

Powerful Rust Repellent

Unique composition of GO-20 creates a long-lasting firm layer on the surface that prevents rusting

Effective Lubricator

Up to 7 times more effective than most leading brands

Super Cleaner

Powerful cleaner that removes oil, grease, grime, wax, tar, gum etc.

GO-20 USES

- CO₂ as a propellant makes GO-20 safe for use even in flammable environment
- Can be used on ferrous and non-ferrous metals, most paints, rubbers, plastics and coatings
- Operational Temperature: Upto 70°C



STUCK IN A TIGHT SPOT?

The GO-20 aerosol has a 360° ball bearing valve below the nozzle, enabling the aerosol to completely inverted & still give you the perfect spray for all those hard to reach areas!



Loosens rusted nuts & bolts



Prevents rust, lubricates & cleans bike chains



Cleans & lubricates ball bearing



Cleans & isolates electrical connections



Cleans, lubricates & protects air tools



ULTIMATE MOISTURE DISPLACER	POWERFUL RUST REPELLANT	EFFECTIVE LUBRICATOR	SUPER CLEANER
Removes moisture from wet ignition systems of cars, trucks, motorbikes, marine engines, electric motors especially in power tools	Prevents & removes light rust from any exposed metal, car doors, door hinges etc	For use in garages, homes, workshops, industries etc	Cleans tar from car body work
Protects vehicle chassis in coastal areas	Protects tools from corrosion	Lubricates & loosens locks & catches	Cleans chewing gum from surfaces & messy walls
Extends the life of exterior light bulbs by 30%	Protects & removes rust from electrical circuitry	Prevents squeaking	Cleans & protects electrical equipment in outdoor locations
		Lubricates & protects firearms	
		Lubricates ball bearings & chains in lawnmowers, bicycles, skateboards etc	

SPECIFICATIONS

COMPLIANCE	SILICON FREE	OZONE FRIENDLY	PROPELLANT	CAPACITY
RoHS	SILICON	CFC	CO ₂	300 GMS

APPLICATIONS INDUSTRIES

PASSENGER CARS	BIKES	COMMERCIAL VEHICLES	FARM EQUIPMENT
CONSTRUCTION EQUIPMENT	INDUSTRIAL MACHINERY	MARINE	HOME

HAZARDOUS COMPONENTS

High Pressures Gases: Octane, Nonane, Heavy Napthenic Tetrachloro ethylene

CAUTION

- Highly flammable. Do not spray near open flame.
- Components under pressure. Do not puncture can
- Do not expose to temperatures above 50°C even when empty
- Avoid contact with skin and eyes. If accidentally sprayed on skin/eyes wash thoroughly with running water.
- Keep away from children



Lubricates & protects tools

Repels moisture & protects outboard motors

Lubricates & protects firearms

Lubricates car doors, locks, catches & hinges

Lubricates & protects tools & machinery



PENETRATING RUST SOLVENT SPRAY



GO-10 is a quick acting penetrating rust solvent spray

Lower density than water gives it excellent penetrating power & releasing capability

The penetrating property of GO-10 along with it's release action helps in loosening of rust, scale & grit from bolts, knobs, hinges, bearings, castings, machined components etc.

Protects against rust & corrosion reducing friction and wear

Lubricates effectively for smooth movement

Ideal for applications where long term corrosion prevention may be required such as sea transportation or storage

Prevents use of an Acetylene torch to loosen seized fittings



STUCK IN A TIGHT SPOT?

The GO-10 aerosol has a 360° ball bearing valve below the nozzle, enabling the aerosol to completely inverted & still give you the perfect spray for all those hard to reach areas!



Loosens rusted nuts & bolts



Unclogs fittings



Loosens jammed parts on machines



Frees stuck mechanism inside compressor piping



Penetrates & releases stuck shut off



GO-10

RELEASES & LOOSENS	ASSEMBLY & DISMANTLING	BREAKS & PROTECTS FROM RUST
Releases seized nuts, bolts & fittings	Eases assembly & dismantling of <ul style="list-style-type: none"> • Plumbing fittings • Mechanical fittings • Bearings • Ball joints & hinges 	Breaks down rust on all <ul style="list-style-type: none"> • Metal surfaces • Joints • Fittings
Loosens seized & rusted tools: <ul style="list-style-type: none"> • Pliers • Shifting wrenches/spanners • Water pump pliers • Marine fittings • Pulley & shackles • Ball valves & key pins 	Ideal for dismantling & assembly in panel shop (body shop) since it is silicon free	Prevents re-forming of rust

SPECIFICATIONS

SILICON FREE	OZONE FRIENDLY	PROPELLANT	CAPACITY
X SILICON	X CFC	PROPANE BUTANE	400 GMS









HAZARDOUS COMPONENTS:

Petroleum, Paraffin Oil, Acetone, Alcohol

CAUTION

- Highly flammable. Do not spray near open flame.
- Components under pressure. Do not puncture can
- Do not expose to temperatures above 50°C even when empty
- Avoid contact with skin and eyes. If accidentally sprayed on skin / eyes wash thoroughly with running water.
- Keep away from children

APPLICATIONS INDUSTRIES

PASSENGER CARS	BIKES	COMMERCIAL VEHICLES	FARM EQUIPMENT
			
CONSTRUCTION EQUIPMENT	INDUSTRIAL MACHINERY	MARINE	HOME
			

HIGHLY FLAMMABLE	WEAR SAFETY GLASSES
	



Releases seized valve

Releases seized ball valves

Loosens & penetrates rusted plumbing joint

Frees stuck motor shaft & fan

Loosens rusty & seized hinges

RUST REMOVER GEL

GO-12



GO-12 is a unique non abrasive solvent blended rust remover

Prevents & removes hard rust without using any abrasive material

It loosens rusted parts & removes the hard rust from metal components in minutes preparing the surface for priming and repainting

Ideal for use in garages, homes, workshops or farms for rusty tools, equipment & fittings

SPECIFICATIONS

HARMFUL	CAPACITY
X	200 ML

APPLICATIONS INDUSTRIES

PASSENGER CARS	BIKES	COMMERCIAL VEHICLES	FARM EQUIPMENT
CONSTRUCTION EQUIPMENT	INDUSTRIAL MACHINERY	MARINE	HOME

HAZARDOUS COMPONENTS:

Phosphoric acid, Hydrochloric acid, Isopropanol

CAUTION

- Contains Phosphoric acid. Avoid contact with skin and eyes. If splashed on skin /eyes wash thoroughly with running water.
- Harmful if swallowed. If swallowed, drink 3-4 glasses of cold water or milk. Do not induce vomiting. Seek medical advice immediately.

WARNING

- Please test on a small section of the surface to be treated
- Do not use on chrome plated surfaces
- Do not use on certain grades of stainless steel
- Not to be left on treated surface for more than 15 minutes

OXIDIZING	CORROSIVE	WEAR SAFETY GLOVES

Hydraulic Bottle Jacks

JACK/BT

High quality Bottle Jacks used for lifting rated capacity loads

Manufactured from heat treated high grade steel. Fully welded construction for leak proof operation

Smart Base Plate Design: Light weight yet sturdy construction for higher durability

Machined & polished ram with die-cut threads for non-abrasive and durable performance

Powder coated lifting lever rod with in-built T-slot that helps in the opening and closing of pressure release valve. 2 pc compact design for convenient storage

Knurled heat treated saddle head with non-slip surface for stronger grip

Internally machined oil passage with close tolerances provides smooth movement of the ram within the cylinder ensuring reduced wear & tear.

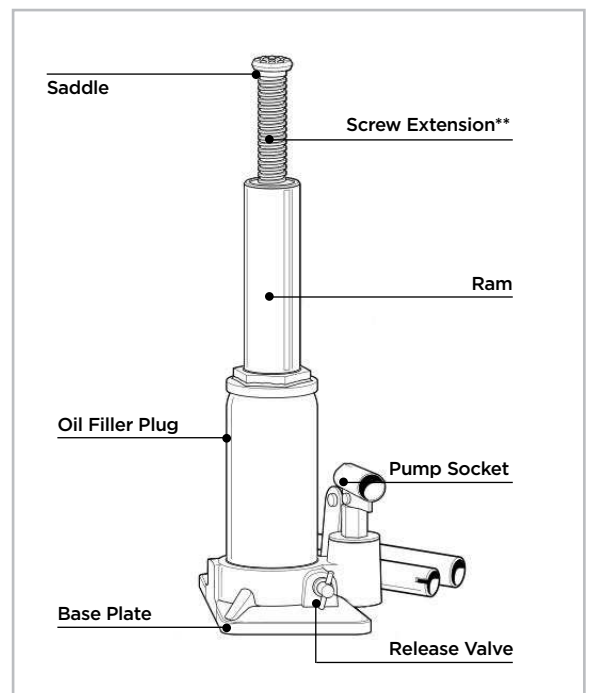
100% factory tested

Ideal for use with heavy trucks, agriculture, construction, mining, oil rigs, automotive and marine applications

STANDARD	FACTORY TESTED
ASME PALD 2009	100 %

ORDERING INFORMATION

CAT NR.	ORD NR.	CAPACITY	LIFT RANGE	MRP (₹)
JACK/BT/4	61701	4 ton (3629 kg)	6-11/16" - 13" (170 mm - 330 mm)	1,893.00
JACK/BT/12	61704	12 ton (10886 kg)	8-5/8" - 16-9/32" (219 mm - 414 mm)	3,866.00
JACK/BT/20	61705	20 ton (18144 kg)	9-5/8" - 17-11/16" (245 mm - 449 mm)	5,624.00
JACK/BT/32	61706	32 ton (29030 kg)	11-1/5" - 18-3/10" (285 mm - 465 mm)	10,955.00
JACK/BT/50	61707	50 ton (45359 kg)	11-1/5" - 18-3/10" (285 mm - 465 mm)	16,398.00


12 TON


** Screw extension available only in 4Ton, 12Ton & 20Ton Models



GROZ

**AUTOMOTIVE
TOOLS & EQUIPMENT**
For the professional!

CAT MINI 510

Manufactured from heavy gauge steel sheet

Rugged double wall construction with strong reinforcement for enhanced durability

Corrosion resistant powder coated finish

8 drawers with ball bearing slides that allow 100% opening. All drawers lined with 2mm vinyl sheet

Centralised Keyed locking system for added security with single operation for opening all drawers





Heavy duty side handles for easy movement of cabinet

4 heavy duty castors 5" x 2" (125 mm x 50 mm). 2 fixed & 2 swivel with toe-locks that ensure safety

Complete with rubber mat on top surface



FEATURES

BALL BEARING	DOUBLE WALL CONSTRUCTION
	
AVG. DRAWER LOAD CAPACITY	TROLLEY LOAD CAPACITY
 45 KG	450 KG 

ORDERING INFORMATION

CAT NR.	ORD NR.	DIMENSIONS	
		(inch)	(mm)
MTB/8	40000	27 x 18 x 39	686 x 457 x 985

Manufactured from heavy gauge steel sheet

Rugged double wall construction with strong reinforcement for enhanced durability

Corrosion resistant powder coated finish

12 drawers with ball bearing slides that allow 100% opening. All drawers lined with 2mm vinyl sheet

Centralised locking system for added security with single operation for opening all drawers





Heavy duty side handles for easy movement

4 heavy duty castors
5" x 2" (125 mm x 50 mm).
2 fixed & 2 swivel with toe-locks that ensure safety

Complete with wooden top for carrying out any job work



FEATURES

BALL BEARING	DOUBLE WALL CONSTRUCTION
	
AVG. DRAWER LOAD CAPACITY	TROLLEY LOAD CAPACITY
 45 KG	 450 KG

ORDERING INFORMATION

CAT NR.	ORD NR.	DIMENSIONS	
		(inch)	(mm)
MTB/12/WD	40001	42 x 18 x 39	1067 x 457 x 985

General purpose cantilever tool box

Manufactured from heavy gauge steel sheet

Corrosion resistant powder coated finish

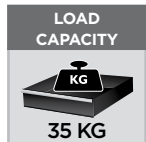
Full spread cantilever mechanism gives quick & easy access to all stored parts

Trays open automatically when handle is depressed & close when lifted

Lid incorporates provision for padlock



FEATURES



ORDERING INFORMATION

CAT NR.	ORD NR.	DIMENSIONS	
		(inch)	(mm)
MTB/5	40002	17-5/10 x 7-7/8 x 7-7/8	440 x 200 x 200

SOCKETS & ACCESSORIES



A range of sockets, ratchets & accessories designed to fit & built to perform

ACC DIN 3122 & ISO 3315 specifications

Amongst the most commonly used equipment, these are widely used in automotive, workshops and garages

Superior engineering; highest standards of manufacturing under strict process control guarantees higher efficiency and three times longer working life compared to most brands

The range includes regular & deep hex sockets, ratchet handles, accessories & sets to meet every need of 2 and 4 wheeler applications

THE GROZ SOCKET

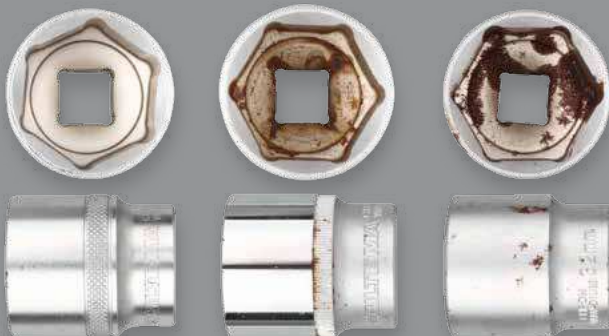
ENHANCED LIFE

Chrome Vanadium Construction

Cold forged from high quality chrome vanadium steel, precisely hardened for increased durability

Ultra Premium Finish

High quality attractive ultra premium finish provides a scratch proof surface with enhanced protection against corrosion. We put the GROZ ultra premium finish sockets to test vis-s vis other finishes in a salt spray chamber. After 72 hours of constant test we observed the following:



GROZ ULTRA PREMIUM FINISH

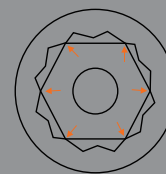
MIRROR FINISH (Other Brands)

MATT FINISH (Other Brands)

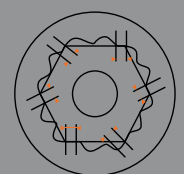
ENHANCED PERFORMANCE

Super Grip Profile

GROZ Sockets incorporate the super grip profile that features round points facilitating contact between socket wall & fastener wall, keeping pressure off the corners



STANDARD PROFILE
Stress applied to edges



GROZ SUPER GRIP® PROFILE
Larger contact area between socket & fastener

This ensures:

1. Transmission of higher torque
2. Firm grip & enhanced engagement
3. Increased durability: Stress concentration in corners eliminated

Knurled Band

Provides a non-slip grip even in slippery applications found usually in workshops

Marking & Branding

Branding & size stamped on each individual socket ensures quick and convenient identification



ORDERING INFORMATION

1/4" SQUARE DRIVE

CAT NR.	ORD NR.	SIZE (mm)
HEX SOCKETS		
+ SKT/H/1-4/4/UG	40600	4
+ SKT/H/1-4/4.5/UG	40601	4.5
+ SKT/H/1-4/5/UG	40602	5
+ SKT/H/1-4/5.5/UG	40603	5.5
+ SKT/H/1-4/6/UG	40604	6
+ SKT/H/1-4/7/UG	40605	7
+ SKT/H/1-4/8/UG	40606	8
+ SKT/H/1-4/9/UG	40607	9
+ SKT/H/1-4/10/UG	40608	10
+ SKT/H/1-4/11/UG	40609	11
+ SKT/H/1-4/12/UG	40610	12
+ SKT/H/1-4/13/UG	40611	13
+ SKT/H/1-4/14/UG	40612	14
HEX BIT SOCKETS		
SKT/1-4/H3/UG	40660	3
+ SKT/1-4/H4/UG	40661	4
+ SKT/1-4/H5/UG	40662	5
+ SKT/1-4/H6/UG	40663	6
SKT/1-4/H7/UG	40664	7
SKT/1-4/H8/UG	40665	8
TORX BIT SOCKETS		
SKT/1-4/T8/UG	40666	T8
SKT/1-4/T10/UG	40667	T10
+ SKT/1-4/T15/UG	40668	T15
SKT/1-4/T20/UG	40669	T20
+ SKT/1-4/T25/UG	40670	T25
+ SKT/1-4/T30/UG	40671	T30
SKT/1-4/T40/UG	40672	T40
SLOTTED BIT SOCKETS		
SKT/1-4/S4/UG	40673	4
SKT/1-4/S5.5/UG	40674	5.5
SKT/1-4/S7/UG	40675	7
PHILIPS BIT SOCKETS		
SKT/1-4/PH1/UG	40676	PH1
SKT/1-4/PH2/UG	40677	PH2
SKT/1-4/PH3/UG	40678	PH3
1/4" SQUARE DRIVE POZI BIT SOCKETS		
SKT/1-4/PZ1/UG	40679	PZ1
SKT/1-4/PZ2/UG	40680	PZ2
SKT/1-4/PZ3/UG	40681	PZ3

+ Best Seller

1/2" SQUARE DRIVE

CAT NR.	ORD NR.	SIZE (mm)
1/2" SQUARE DRIVE HEX SOCKETS		
+ SKT/H/1-2/8/UG	40800	8
+ SKT/H/1-2/9/UG	40801	9
+ SKT/H/1-2/10/UG	40802	10
SKT/H/1-2/11/UG	40803	11
+ SKT/H/1-2/12/UG	40804	12
+ SKT/H/1-2/13/UG	40805	13
+ SKT/H/1-2/14/UG	40806	14
SKT/H/1-2/15/UG	40807	15
SKT/H/1-2/16/UG	40808	16
+ SKT/H/1-2/17/UG	40809	17
SKT/H/1-2/18/UG	40810	18
+ SKT/H/1-2/19/UG	40811	19
SKT/H/1-2/21/UG	40812	21
+ SKT/H/1-2/22/UG	40813	22
SKT/H/1-2/23/UG	40814	23
+ SKT/H/1-2/24/UG	40815	24
SKT/H/1-2/26/UG	40816	26
SKT/H/1-2/27/UG	40817	27
SKT/H/1-2/28/UG	40818	28
SKT/H/1-2/29/UG	40819	29
SKT/H/1-2/30/UG	40820	30
SKT/H/1-2/32/UG	40821	32
DEEP HEX SOCKETS		
+ SKT/H/1-2/10D/UG	40900	10
SKT/H/1-2/11D/UG	40901	11
+ SKT/H/1-2/12D/UG	40902	12
+ SKT/H/1-2/13D/UG	40903	13
+ SKT/H/1-2/14D/UG	40904	14
SKT/H/1-2/15D/UG	40905	15
SKT/H/1-2/16D/UG	40906	16
+ SKT/H/1-2/17D/UG	40907	17
SKT/H/1-2/18D/UG	40908	18
+ SKT/H/1-2/19D/UG	40909	19
SKT/H/1-2/21D/UG	40910	21
SKT/H/1-2/22D/UG	40911	22
SKT/H/1-2/23D/UG	40912	23
SKT/H/1-2/24D/UG	40913	24
SKT/H/1-2/26D/UG	40914	26
SKT/H/1-2/27D/UG	40915	27
SKT/H/1-2/28D/UG	40916	28
SKT/H/1-2/29D/UG	40917	29
SKT/H/1-2/30D/UG	40918	30
SKT/H/1-2/32D/UG	40919	32



Bit Sockets



Hex Sockets



Hex Sockets - Deep

3/8" SQUARE DRIVE

CAT NR.	ORD NR.	SIZE (mm)
3/8" SQUARE DRIVE HEX SOCKETS		
+ SKT/H/3-8/6/UG	40700	6
SKT/H/3-8/7/UG	40701	7
+ SKT/H/3-8/8/UG	40702	8
SKT/H/3-8/9/UG	40703	9
+ SKT/H/3-8/10/UG	40704	10
SKT/H/3-8/11/UG	40705	11
+ SKT/H/3-8/12/UG	40706	12
+ SKT/H/3-8/13/UG	40707	13
+ SKT/H/3-8/14/UG	40708	14
SKT/H/3-8/15/UG	40709	15
SKT/H/3-8/16/UG	40710	16
+ SKT/H/3-8/17/UG	40711	17
SKT/H/3-8/18/UG	40712	18
+ SKT/H/3-8/19/UG	40713	19
SKT/H/3-8/20/UG	40714	20
SKT/H/3-8/21/UG	40715	21
SKT/H/3-8/22/UG	40716	22



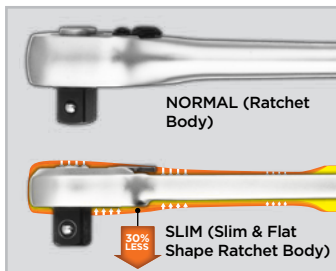
Chrome Vanadium Construction:
Cold forged from high quality chrome vanadium steel, precisely hardened for increased durability

Unique Patented Design:
30% slimmer & lighter than normal pear head ratchet, provides higher torque & extended service life

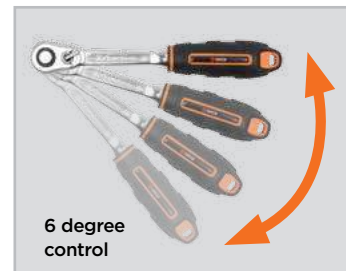


SLIM LINE RATCHET
More than 9 Teeth Bite of Gear is designed to transfer extremely high torque and extend the service life

NORMAL TYPE RATCHET
Only 3 teeth bite, unable to transfer the torque powerfully and efficiently



NORMAL (Ratchet Body)
SLIM (Slim & Flat Shape Ratchet Body)
Ratchet body is 30% slimmer than regular ratchet handles. This reduces the weight of the ratchet handles & provides high torque



60 TEETH WITH 6 DEGREE CONTROL
Provides extremely high torque for professional users



QUICK RELEASE
Simply push the release button with one thumb for replacing sockets quickly and efficiently.



UNIQUE PATENTED DESIGN
Gourd shaped head is 30% narrower than regular oval shaped ratchets making these most suitable for use in light & hard to reach areas



REVERSIBLE LEVER SWITCH
Reversible lever switch makes it easy to switch direction of use

ORDERING INFORMATION

CAT NR.	ORD NR.	DRIVE
		(inch)
RTD/SL/1-4/UG	40107	1/4
RTD/SL/3-8/UG	40200	3/8
RTD/SL/1-2/UG	40310	1/2



ERGONOMIC DESIGN HANDLE
Ratchet handle is designed for increased convenience in use

06

Dual Drive Ratchet Handle

RTD-DD

World-class Ratchet Handle with twice the speed of a conventional ratchet.

Simply twisting the handle in any direction causes turning of the square drive. Irrespective of direction in which the handle is twisted, square drive rotates in the same direction.

Unlike a conventional ratchet, where forward movement causes square drive to rotate & back movement is idle, here with the Dual Drive both twisting in clockwise & anticlockwise direction result in rotation of the square drive, thereby reducing the time to half

Direction of the square drive can be changed by holding the handle body & turning the black knurled round switch on top

Operating the ratchet handle by twisting instead of forward-backward stroke allows working on fasteners with limited access.

Ratchet handle is designed to additionally also work as a conventional ratchet by operating it in the forward / backward stroke

52 teeth gear design provides optimum torque for professional use

Easy-Use Switch Mechanism

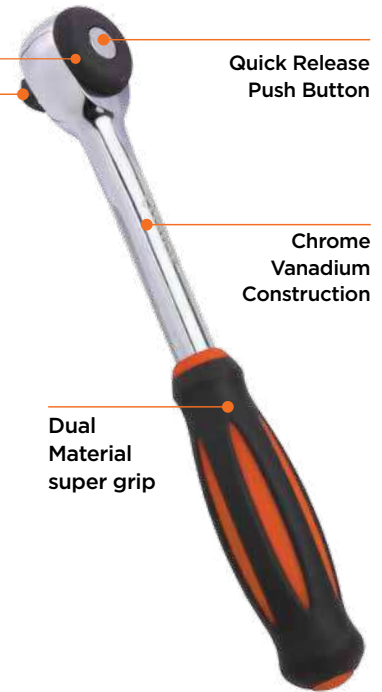
Chrome Molybdenum Square Drive for increased durability

Quick Release Push Button

Chrome Vanadium Construction

Dual Material super grip

Twist Action Handle



ORDERING INFORMATION

CAT NR.	ORD NR.	DRIVE	
		(inch)	
RTD/DD/1-2/UG	40311	1/2	

07

Socket Accessories

EXTENSION BAR

Manufactured from high quality chrome vanadium steel with ultra premium finish



ADAPTOR

For using a combination of square sockets in one application



ORDERING INFORMATION

CAT NR.	ORD NR.	LENGTH		DRIVE (inch)
		(inch)	(mm)	
DRXB/1-4/2/UG	40102	2	50	1/4
DRXB/1-4/4/UG	40103	4	100	1/4
DRXB/3-8/3/UG	40201	3	75	3/8
DRXB/3-8/6/UG	40202	6	150	3/8
DRXB/1-2/5/UG	40302	5	125	1/2
DRXB/1-2/10/UG	40303	10	250	1/2

ORDERING INFORMATION

CAT NR.	ORD NR.	SIZE
SADP/3-8F/1-4M/UG	40204	3/8" F to 1/4" M
SADP/3-8F/1-2M/UG	40205	3/8" F to 1/2" M
SADP/1-2F/3-8M/UG	40306	1/2" F to 3/8" M
SADP/1-2F/3-4M/UG	40307	1/2" F to 3/4" M

* F - Female, M - Male

Socket Accessories (continued)

HEX SPARK PLUG SOCKET
Designed for insertion & removal of spark plugs



ORDERING INFORMATION

CAT NR.	ORD NR.	SIZE	DRIVE
		(mm)	(inch)
SKT/1-2/SP/16/UG	40880	16	1/2
SKT/1-2/SP/21/UG	40881	21	1/2

SPEEDER HANDLE
Manufactured from high quality chrome vanadium steel with ultra premium finish. Ideal for nut spinning



ORDERING INFORMATION

CAT NR.	ORD NR.	DRIVE
		(inch)
SPDH/1-2/UG	40301	1/2

SLIDING T BAR
Manufactured from high quality chrome vanadium steel with ultra premium finish. Sliding bar gives many options for leverage within a given space



ORDERING INFORMATION

CAT NR.	ORD NR.	LENGTH		DRIVE
		(inch)	(mm)	(inch)
SLTB/1-4/UG	40106	4.5	114	1/4
SLTB/1-2/UG	40305	10	250	1/2

FLEX HANDLE
Manufactured from high quality chrome vanadium steel with ultra premium finish. Hinged joint head and spring - loaded ball joint for secure socket holding

Head is Chrome Molybdenum (S2) steel & replaceable



ORDERING INFORMATION

CAT NR.	ORD NR.	LENGTH		DRIVE
		(inch)	(mm)	(inch)
DFH/1-2HD/15/UG	40309	15	380	1/2

SPINNER HANDLE
Manufactured from high quality chrome vanadium steel with ultra premium finish.



ORDERING INFORMATION

CAT NR.	ORD NR.	DRIVE
		(inch)
DRSH/1-4/UG	40101	1/4

FLEXIBLE ROD
Flexible Rod with compressed spring for use in confined spaces



ORDERING INFORMATION

CAT NR.	ORD NR.	DRIVE
		(inch)
FLEX/1-4/UG	40105	1/4

UNIVERSAL JOINT
Manufactured from high quality chrome vanadium steel with ultra premium finish. Hinged through 180° in both directions



ORDERING INFORMATION

CAT NR.	ORD NR.	DRIVE
		(inch)
UVJ/1-4/UG	40104	1/4
UVJ/3-8/UG	40203	3/8
UVJ/1-2/UG	40308	1/2

L HANDLE
Fixed L Handle for applications requiring rigid set-up



ORDERING INFORMATION

CAT NR.	ORD NR.	DRIVE
		(inch)
LDH/1-2/UG	40304	1/2

ORDERING INFORMATION

CAT NR.	ORD NR.	DESCRIPTION
1/2" - 27 PIECE SOCKET SET		
KIT/SKT/H/1-2/27/UG	40390	22 pcs 1/2" Sockets : 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 21, 22, 23, 24, 26, 27, 28, 29, 30, 32 mm 2 pcs Extension Bar : 5", 10" 1 pc Universal Joint 1 pc Sliding T Bar 1 pc Ratchet Handle
1/4" - 42 PIECE SOCKET SET		
KIT/SKT/H/1-4/42/UG	40190	13 pcs 1/4" Sockets : 4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13, 14 mm 6 pcs Hex Bit Socket : 3,4,5,6,7,8 mm 3 pcs Slotted Bit Socket : 4,5,5,7 mm 3 pcs Philips Bit Socket : PH1, PH2, PH3 3 pcs Pozi Bit Socket : PZ1, PZ2, PZ3 7 pcs Torx Bit Socket : T8, T10, T15, T20, T25, T30, T40 2 pcs Extension Bar : 2", 4" 1 pc Spinner Handle 1 pc Flexible Extension 1 pc Universal Joint 1 pc Sliding T Bar 1 pc Ratchet Handle
SOCKETS ON RAIL		
KIT/SKT/H/1-4/13L/UG	40191	13 pcs 1/4" Socket Set on Rail : 4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13, 14 mm
KIT/SKT/H/1-4/9LH/UG	40192	9 pcs 1/4" Socket & Ratchet set on rail; 4, 4.4, 5, 5.5, 6, 7, 8, 10; Ratchet Handle
KIT/SKT/H/3-8/8L/UG	40290	8 pc 3/8" Socket Set on Rail; 6, 8, 10, 12, 13, 14, 17, 19
KIT/SKT/H/3-8/9LH/UG	40291	9 pcs 3/8" Socket & Ratchet Set on Rail; 6, 8, 10, 12, 13, 14, 17, 19; Ratchet handle
KIT/SKT/H/1-2/9L/UG	40392	9 pcs 1/2" Socket on Rail; 8, 9, 10, 12, 13, 14, 17, 19, 22
KIT/SKT/H/1-2/11LH/UG	40393	11 pcs 1/2" Socket & Ratchet Set on Rail; 8, 9, 10, 12, 13, 14, 17, 19, 22, 24; Ratchet Handle
SOCKET MERCHANDISER		
SKT/H/1-2/UG/ST50	40391	Socket Merchandiser with 49 sockets of following sizes: 10 mm (7), 13 mm (7), 17 mm (7), 19 mm (6), 22 mm (5), 24 mm (5), 27 mm (4), 30 mm (4), 32 mm (4)


27 Pcs - 1/2" Square Drive Socket Set

42 Pcs - 1/4" Square Drive Socket Set

KIT/SKT/H/3-8/9LH/UG (9 Pc 3/8" Sq. Drive Socket on Rail)

KIT/SKT/H/3-8/8L/UG (8 Pc 3/8" Sq. Drive Socket on Rail)

SKT/H/1-2/UG/ST50

Made from chrome vanadium steel, hardened and tested to meet or exceed international standards for torque specification, offering high torque capabilities, outstanding quality and superb performance

72 teeth, strong gear ratcheting ring needs as little as 5° of sweep to move fastener

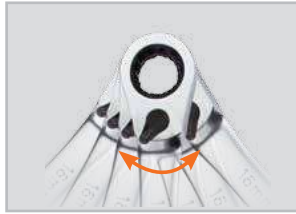
Narrow and thin head, combined with fine gear tooth design makes the Ratcheting Spanner suitable for working in tight and hard to access areas where a ratchet and socket will not fit.

Ratcheting ring feature allows increased working speed, eliminating the need to remove the spanner from the fastener after each turn.

Chrome plated for corrosion protection with ultra premium finish for scratch proof surface

Use reversible lever to change the action direction

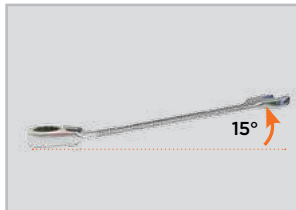
15° offset at ring end, makes it easy to gain access to the fasteners and achieve high leverage



Reversible Lever:
Makes it easy to switch the action direction



72 Teeth with 5 degree action arc:
Provide extreme high torque for professional users



Great Accessibilities:
Offset at the ring end with an angle 15° makes it easy to gain the access to the fastener and to achieve high leverage

FEATURES

CHROME VANADIUM	FORGED CONSTRUCTION
HEAT TREATED	



Reversible Lever
72 Teeth Ratchet
Bi-hex profile: Grips the fastener better

ORDERING INFORMATION

CAT. NR.	ORD. NR	SIZE	LENGTH	WEIGHT
		(mm)	(mm)	(gms)
CSP/RRT/8/UG	33802	8	140	40
CSP/RRT/10/UG	33804	10	160	55
CSP/RRT/12/UG	33806	12	170	80
CSP/RRT/13/UG	33807	13	180	95
CSP/RRT/14/UG	33808	14	190	110
CSP/RRT/17/UG	33811	17	225	180
CSP/RRT/19/UG	33813	19	245	235
SET				
CSS/RRT/7ST/UG	33850	8, 10, 12, 13, 14, 17, 19 mm Ratcheting Spanners Set		

RATCHETING SPANNER SET



Double open end spanners have an elliptical pattern & are cold stamped from chrome vanadium (31CrV3) steel

Conforms to DIN 3110 specification

Fully heat treated to 44-48 HRC for increased work life

Rust proof satin finish

Size stamped on both ends for easy identification

Available as loose or in sets in metric sizes





ORDERING INFORMATION

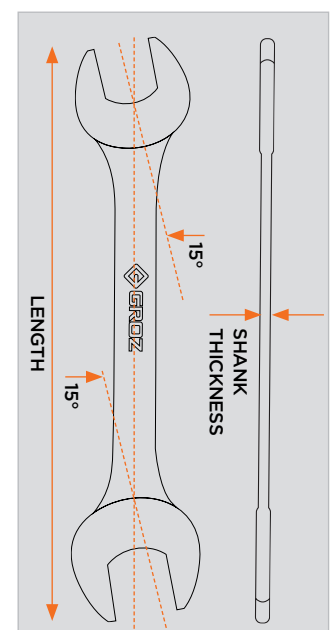
CAT NR.	ORD NR.	SIZE	LENGTH	SHANK THICKNESS	WEIGHT
		(mm)	(mm)	(mm)	(gms)
DOSP/6-7G	34200	6 x 7	126	2.60	25
DOSP/8-9G	34201	8 x 9	142	2.60	35
DOSP/10-11G	34202	10 x 11	157	3	50
DOSP/12-13G	34203	12 x 13	170	3.3	70
DOSP/14-15G	34204	14 x 15	187	3.6	95
DOSP/16-17G	34205	16 x 17	202	4	120
DOSP/18-19G	34206	18 x 19	220	4	170
DOSP/20-22G	34207	20 x 22	232	4.4	210
DOSP/21-23G	34208	21 x 23	246	4.9	250
DOSP/24-27G	34209	24 x 27	265	5.3	330
DOSP/25-28G	34210	25 x 28	275	5.8	380
DOSP/30-32G	34211	30 x 32	298	6.2	480
DOSP/32-36G	34212	32 x 36	315	7.2	680
DOSP/36-41G	34213	36 x 41	355	7.7	770
DOSP/41-46G	34214	41 x 46	415	10.7	1485
DOSP/46-50G	34215	46 x 50	460	11.5	1900
DOSP/8-10G	34216	8 x 10	142	2.6	35
DOSP/10-12G	34217	10 x 12	157	3	50
DOSP/14-17G	34218	14 x 17	202	3.8	110
DOSP/19-22G	34219	19 x 22	232	4.4	210
DOSP/27-32G	34220	27 x 32	295	5.7	425

SETS

DOSS/8G/ST	34240	8 pc Metric Set, 6 x 7, 8 x 9, 10 x 11, 12 x 13, 14 x 15, 16 x 17, 18 x 19, 20 x 22 mm
DOSS/12G/ST	34241	12 pc Metric Set, 6 x 7, 8 x 9, 10 x 11, 12 x 13, 14 x 15, 16 x 17, 18 x 19, 20 x 22, 21 x 23, 24 x 27, 25 x 28, 30 x 32 mm

FEATURES

CHROME VANADIUM	HEAT TREATED BODY
	 44-48 HRC
CONFORMS TO	
DIN 3110	



Ring spanners have an elliptical pattern & are cold stamped from chrome vanadium (31CrV3) steel

Conforms to din 838 specification

Wrenches feature super drive broach reducing corner rounding & applying more torque

Fully heat treated to 42-48 HRC for increased work life

Rust proof satin finish

Size stamped on both ends for easy identification



Available as loose or in sets in metric sizes

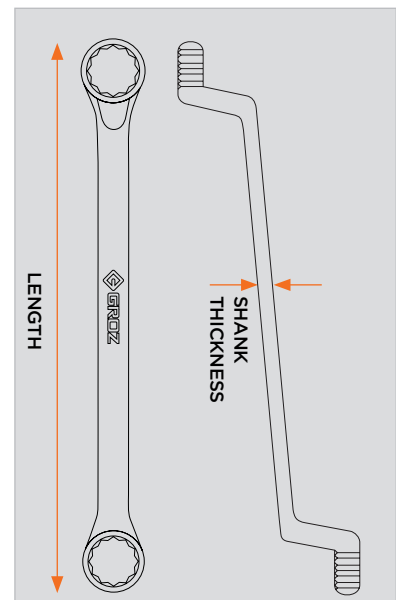


ORDERING INFORMATION

CAT NR.	ORD NR.	SIZE (mm)	LENGTH (mm)	SHANK THICKNESS (mm)	WEIGHT (gms)
RSP/6-7G	34300	6 x 7	175	4.4	55
RSP/8-9G	34301	8 x 9	185	4.5	70
RSP/10-11G	34302	10 x 11	198	5.2	90
RSP/12-13G	34303	12 x 13	215	5.4	115
RSP/14-15G	34304	14 x 15	228	5.6	150
RSP/16-17G	34305	16 x 17	246	6.2	190
RSP/18-19G	34306	18 x 19	268	6.4	235
RSP/20-22G	34307	20 x 22	292	6.9	315
RSP/21-23G	34308	21 x 23	315	7.1	350
RSP/24-27G	34309	24 x 27	328	7.6	450
RSP/25-28G	34310	25 x 28	342	7.8	500
RSP/30-32G	34311	30 x 32	370	8.8	630
RSP/36-41G	34313	36 x 41	460	10.3	1050
RSP/8-10G	34314	8 x 10	185	4.5	70
RSP/10-12G	34315	10 x 12	198	5.2	90
RSP/14-17G	34316	14 x 17	240	6.2	310
RSP/19-22G	34317	19 x 22	292	6.9	315
RSP/27-32G	34318	27 x 32	380	8.4	630

FEATURES

CHROME VANADIUM	HEAT TREATED BODY
	 42-48 HRC
CONFORMS TO	
DIN 838	



SETS

RSS/8G/ST	34340	8 pc Metric Set, 6 x 7, 8 x 9, 10 x 11, 12 x 13, 14 x 15, 16 x 17, 18 x 19, 20 x 22 mm
RSS/12G/ST	34341	12 pc Metric Set, 6 x 7, 8 x 9, 10 x 11, 12 x 13, 14 x 15, 16 x 17, 18 x 19, 20 x 22, 21 x 23, 24 x 27, 25 x 28, 30 x 32 mm

Combination Spanners / Wrenches

Combination spanners also referred to combination wrenches have an elliptical pattern & are cold stamped from chrome vanadium (31CrV3) steel

Conforms to DIN 3113A specification

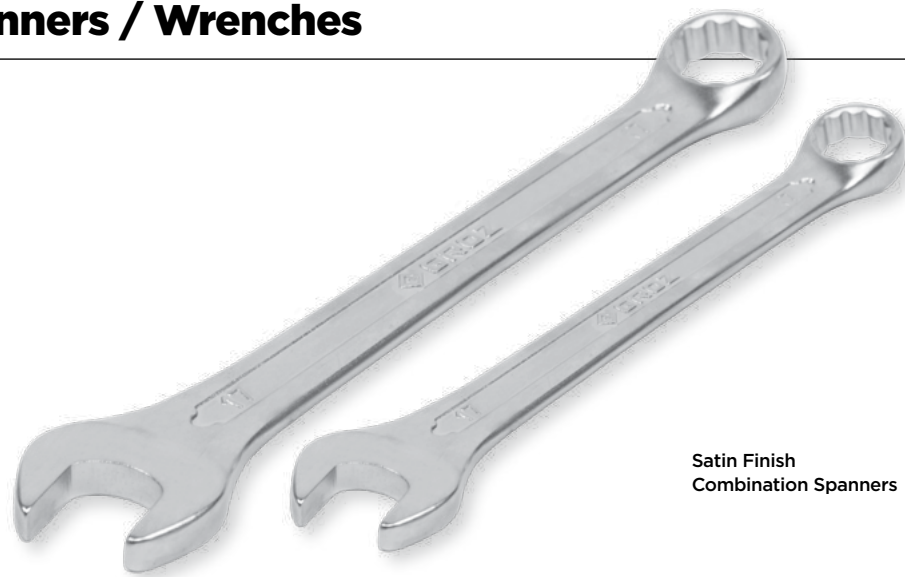
Wrenches feature a super drive broach reducing corner rounding & applying more torque

15° Offset - optimal for most applications

Fully heat treated to 42-48 HRC for increased work life



Size stamped on both ends for easy identification

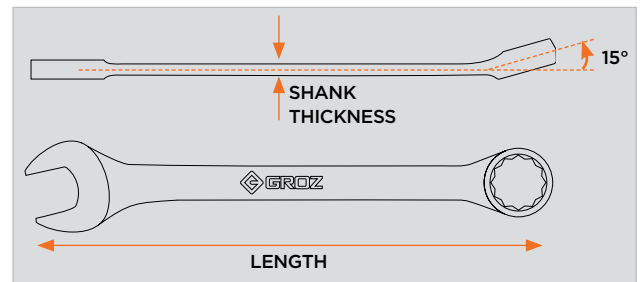
Available as loose or in sets in both metric & SAE sizes



Satin Finish Combination Spanners

FEATURES

CHROME VANADIUM	HEAT TREATED BODY
	 42-48 HRC
CONFORMS TO	
DIN 3113A	



ORDERING INFORMATION

CAT NR.	ORD NR.	SIZE	LENGTH	SHANK THICKNESS	WEIGHT
		(mm)	(mm)	(mm)	(gms)
SATIN FINISH COMBINATION SPANNERS					
CSP/DIN/6G	34000	6	100	2.6	20
CSP/DIN/7G	34001	7	110	2.8	25
CSP/DIN/8G	34002	8	115	3	30
CSP/DIN/9G	34003	9	125	3.3	35
CSP/DIN/10G	34004	10	135	3.4	40
CSP/DIN/11G	34005	11	145	3.5	45
CSP/DIN/12G	34006	12	155	3.7	60
CSP/DIN/13G	34007	13	165	4.1	70
CSP/DIN/14G	34008	14	171	4.3	85
CSP/DIN/15G	34009	15	185	4.4	95
CSP/DIN/16G	34010	16	195	4.4	115
CSP/DIN/17G	34011	17	210	4.4	135
CSP/DIN/18G	34012	18	220	4.8	155
CSP/DIN/19G	34013	19	230	4.9	165
CSP/DIN/20G	34014	20	240	5	185
CSP/DIN/21G	34015	21	245	5.1	210
CSP/DIN/22G	34016	22	248	5.4	220

CAT NR.	ORD NR.	SIZE	LENGTH	SHANK THICKNESS	WEIGHT
		(mm)	(mm)	(mm)	(gms)
SATIN FINISH COMBINATION SPANNERS					
CSP/DIN/23G	34017	23	260	5.5	245
CSP/DIN/24G	34018	24	270	5.6	280
CSP/DIN/25G	34019	25	282	5.9	295
CSP/DIN/26G	34020	26	290	6	320
CSP/DIN/27G	34021	27	300	6.2	380
CSP/DIN/28G	34022	28	310	6.3	410
CSP/DIN/29G	34023	29	330	6.8	460
CSP/DIN/30G	34024	30	330	6.8	490
CSP/DIN/32G	34025	32	350	7.5	600
CSP/DIN/33G	34026	33	380	7.6	730
CSP/DIN/34G	34027	34	380	7.6	730
CSP/DIN/35G	34028	35	380	7.6	730
CSP/DIN/36G	34029	36	400	7.8	900
CSP/DIN/38G	34030	38	400	7.8	900
CSP/DIN/41G	34031	41	452	8.3	1200
CSP/DIN/46G	34032	46	497	10.6	1680
CSP/DIN/50G	34033	50	540	11.5	2000

SETS

CSS/DIN/12G/ST	34040	12 pc Metric Set, Sizes: 6, 7, 8, 9, 10, 11, 12, 13, 14, 17, 19, 22 mm
CSS/DIN/14G/ST	34041	14 pc Metric Set, Sizes: 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 19, 21, 22, 24 mm



Mirror Finish Combination
Wrenches (US Pattern -
Heavy Profile)

ORDERING INFORMATION

CAT NR.	ORD NR.	SIZE	CAT NR.	ORD NR.	SIZE	LENGTH	SHANK THICKNESS	WEIGHT
		(mm)			(inch)			
MIRROR FINISH COMBINATION WRENCHES (US PATTERN - HEAVY PROFILE)								
CSP/FP/6	34045	6	CSP/FP/1-4	34071	1/4	124	3	21
CSP/FP/7	34046	7				129	3	23
CSP/FP/8	34047	8	CSP/FP/5-16	34072	5/16	136	3.2	30
CSP/FP/9	34048	9	CSP/FP/3-8	34073	3/8	149	3.5	44
CSP/FP/10	34049	10				161	4.2	58
CSP/FP/11	34050	11	CSP/FP/7-16	34074	7/16	168	4.3	61
CSP/FP/12	34051	12				174	4.8	77
CSP/FP/13	34052	13	CSP/FP/1-2	34075	1/2	180	4.9	83
CSP/FP/14	34053	14	CSP/FP/9-16	34076	9/16	193	5.4	112
CSP/FP/15	34054	15				200	5.3	116
CSP/FP/16	34055	16	CSP/FP/5-8	34077	5/8	207	5.5	125
CSP/FP/17	34056	17	CSP/FP/11-16	34078	11/16	227	6.2	178
CSP/FP/18	34057	18				239	6.4	186
CSP/FP/19	34058	19	CSP/FP/3-4	34079	3/4	250	7	235
CSP/FP/20	34059	20				260	7	245
CSP/FP/21	34060	21	CSP/FP/13-16	34080	13/16	271	7.2	280
CSP/FP/22	34061	22	CSP/FP/7-8	34081	7/8	295	7.6	335
CSP/FP/23	34062	23				295	7.6	335
CSP/FP/24	34063	24	CSP/FP/15-16	34082	15/16	317	8	390
CSP/FP/25	34064	25	CSP/FP/0-1	34083	1	339	8.35	480
CSP/FP/26	34065	26				339	8.35	480
CSP/FP/27	34066	27	CSP/FP/1-1-16	34084	1-1/16	362	9	555
CSP/FP/28	34067	28	CSP/FP/1-1-8	34085	1-1/8	394	9.3	695
CSP/FP/29	34068	29				394	9.3	745
CSP/FP/30	34069	30				394	9.3	775
CSP/FP/32	34070	32	CSP/FP/1-1-4	34086	1-1/4	429	9.9	860
SETS								
CSS/FP/15/ST	34092	15 pc Metric Set, Sizes: 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 21, 22 mm						
CSS/FP/14-SAE/ST	34093	14 pc SAE Set, Sizes: 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8", 15/16", 1", 1-1/16", 1-1/8", 1-1/4"						
CSS/FP/16-SAE/ST	34094	16 pc SAE Set, Sizes: 1/4", 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8", 15/16", 1", 1-1/16", 1-1/8", 1-1/4"						
CSS/FP/22-SM/ST	34095	22 pc SAE + Metric Set, SAE Sizes: 1/4", 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8"; Metric Sizes: 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19 mm						

Offset combination spanners have an elliptical pattern & are cold stamped from Chrome Vanadium (31CrV3) steel

Conforms to DIN 3113B specification

Wrenches feature a super drive broach reducing corner rounding & applying more torque

Fully heat treated to 42-48 HRC for increased work life

Rust proof satin finish

Size stamped on both ends for easy identification

Available as loose or in sets in metric sizes





ORDERING INFORMATION

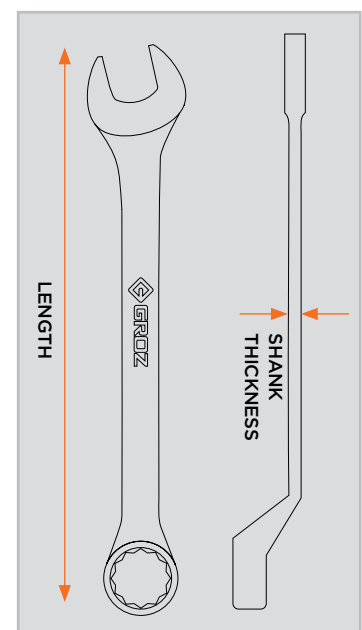
CAT NR.	ORD NR.	SIZE	LENGTH	SHANK THICKNESS	WEIGHT
		(mm)	(mm)	(mm)	(gms)
CSP/OF/SF/6	34150	6	100	2.5	20
CSP/OF/SF/7	34151	7	110	2.6	25
CSP/OF/SF/8	34152	8	120	2.9	30
CSP/OF/SF/9	34153	9	130	3.2	35
CSP/OF/SF/10	34154	10	155	3.2	50
CSP/OF/SF/11	34155	11	162	3.5	60
CSP/OF/SF/12	34156	12	170	3.5	70
CSP/OF/SF/13	34157	13	178	4.0	85
CSP/OF/SF/14	34158	14	192	4.0	100
CSP/OF/SF/15	34159	15	210	4.2	110
CSP/OF/SF/16	34160	16	220	4.5	125
CSP/OF/SF/17	34161	17	226	4.5	145
CSP/OF/SF/18	34162	18	240	4.6	165
CSP/OF/SF/19	34163	19	246	5.1	195
CSP/OF/SF/20	34164	20	260	5.7	245
CSP/OF/SF/21	34165	21	270	5.7	270
CSP/OF/SF/22	34166	22	275	5.7	280
CSP/OF/SF/23	34167	23	320	5.8	340
CSP/OF/SF/24	34168	24	320	5.8	340
CSP/OF/SF/25	34169	25	343	5.9	420
CSP/OF/SF/26	34170	26	343	6.4	420
CSP/OF/SF/27	34171	27	370	6.4	520
CSP/OF/SF/28	34172	28	370	6.4	520
CSP/OF/SF/29	34173	29	395	6.4	670
CSP/OF/SF/30	34174	30	395	6.4	670
CSP/OF/SF/32	34175	32	418	6.5	775

SETS

CSS/OF/12/ST	34180	12 pc Metric Set: 6, 7, 8, 9, 10, 11, 12, 13, 14, 17, 19, 22 mm
CSS/OF/12A/ST	34181	12 pc Metric Set: 10, 11, 12, 13, 14, 17, 19, 22, 24, 27, 30, 32 mm
CSS/OF/17A/ST	34182	17 pc Metric Set: 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 18, 17, 19, 21, 22, 24 mm
CSS/OF/26/ST	34183	26 pc Metric Set: 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 32 mm

FEATURES

CHROME VANADIUM	HEAT TREATED BODY
	 42-48 HRC
CONFORMS TO	
DIN 3113B	



14

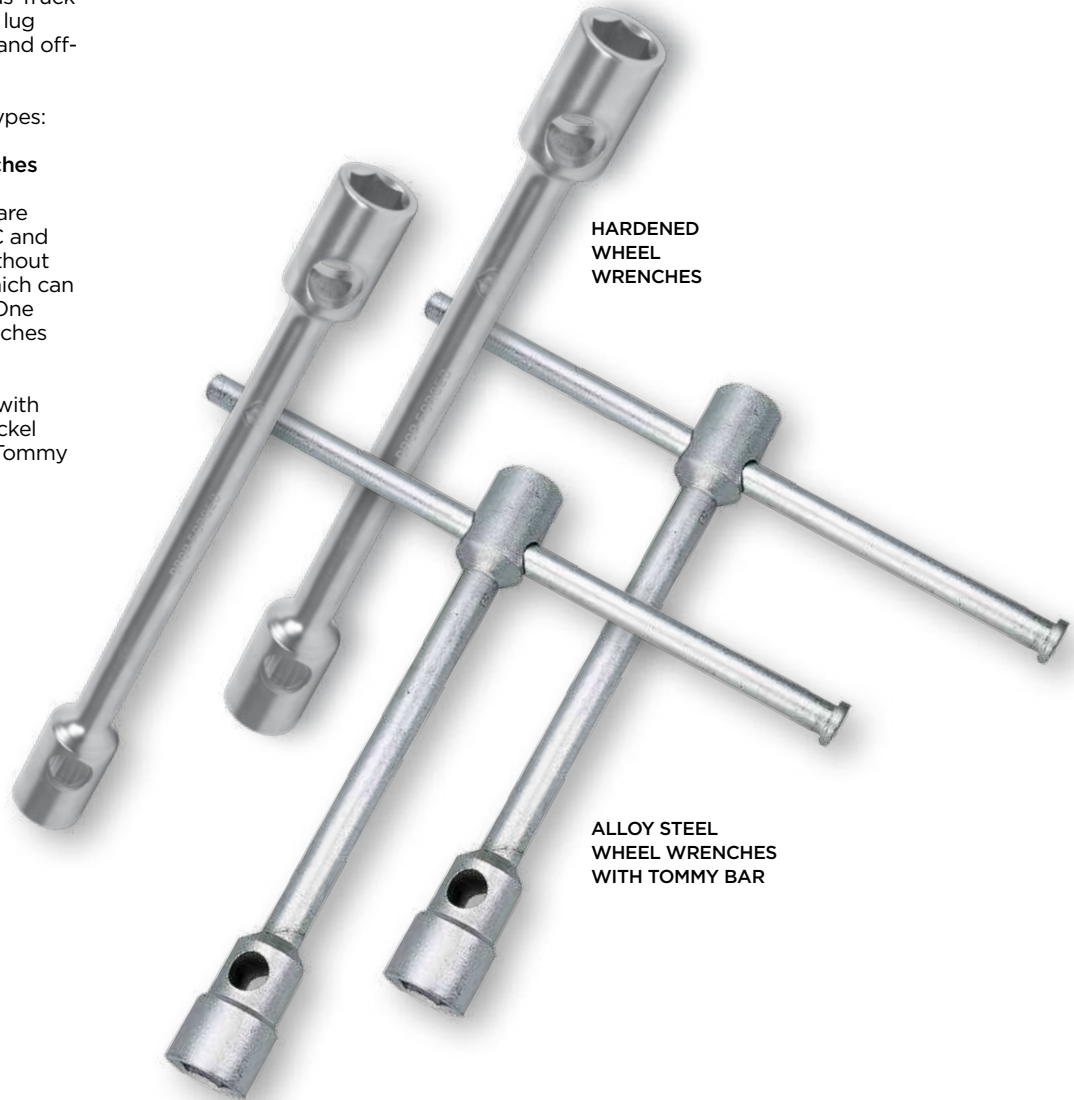
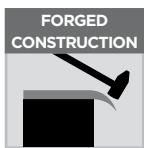
Wheel Wrenches Double Ended

Heavy Duty Double Ended Wheel Wrenches, also referred to as Truck Wrenches are used to open lug nuts on trucks, buses, farm and off-road vehicles.

These are available in two types:

- 1. Hardened Wheel Wrenches**
Forged from Chrome Vanadium Steel, these are hardened 40 - 45 HRC and tempered. Supplied without handle/ tommy bar, which can be bought separately. One handle size fits all wrenches
- 2. Alloy Steel Wrenches**
Forged from alloy steel with rust inhibiting bright nickel plating. Supplied with Tommy Bar

FEATURES



HARDENED
WHEEL
WRENCHES

ALLOY STEEL
WHEEL WRENCHES
WITH TOMMY BAR

ORDERING INFORMATION

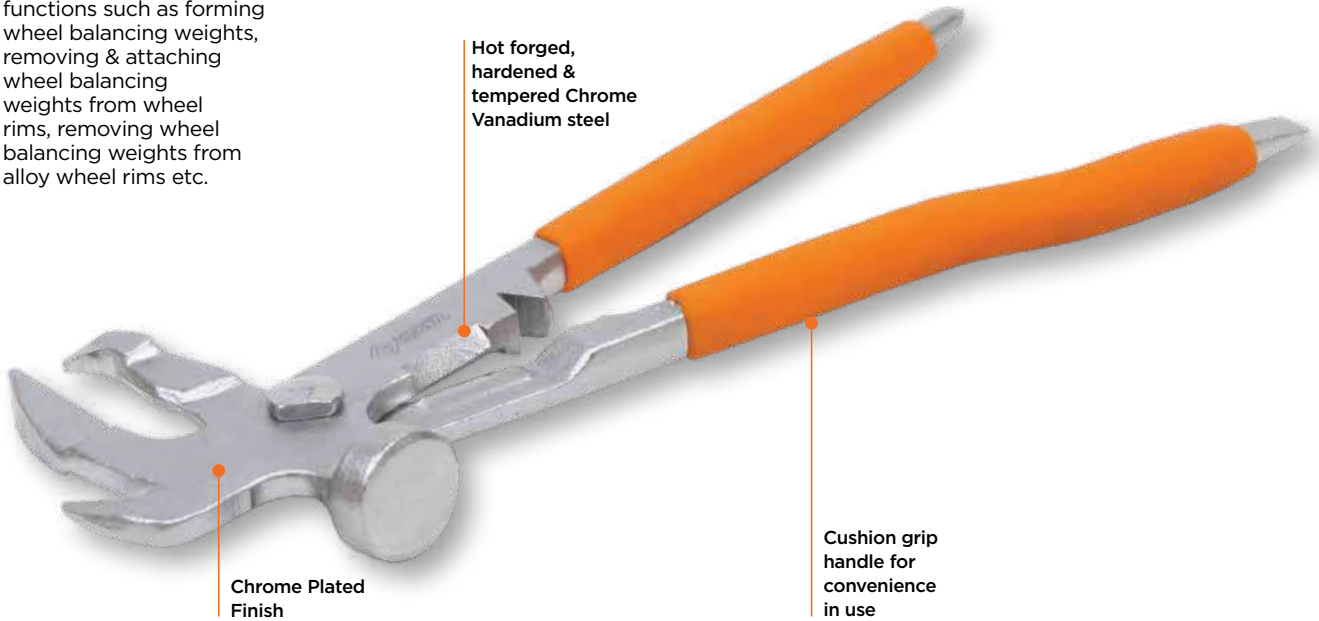
CAT NR.	ORD NR.	SIZE (mm)	OVERALL LENGTH (mm)
HARDENED WHEEL WRENCHES			
B/WW/CV/24-27	31930	24 x 27	400
B/WW/CV/27-30	31931	27 x 30	400
B/WW/CV/27-32	31932	27 x 32	400
B/WW/CV/27-33	31933	27 x 33	400
B/WW/CV/30-32	31934	30 x 32	400
B/WW/CV/30-33	31935	30 x 33	400
SPARE TOMMY BAR			
TMB/600-22	31941	600 X 22	

ORDERING INFORMATION




CAT NR.	ORD NR.	SIZE	OVERALL LENGTH
		(mm)	(mm)
ALLOY STEEL WRENCHES WITH TOMMY BAR			
WW/D/24-27	31900	24 x 27	400
WW/D/27-30	31901	27 x 30	400
WW/D/27-32	31902	27 x 32	400
WW/D/27-33	31903	27 x 33	400
WW/D/30-32	31904	30 x 32	400
WW/D/30-33	31905	30 x 33	400
WW/D/32-38	31906	32 x 38	400
WW/D/35-17	31907	35 x 17	400
WW/D/38-21	31908	38 x 21	400
WW/D/41-21	31909	41 x 21	400
SPARE TOMMY BAR			
TMB/430-19	31940	430 mm x 1 mm	

Wheel Balancing Pliers are used to remove & detach wheel balancing weights.

These perform several functions such as forming wheel balancing weights, removing & attaching wheel balancing weights from wheel rims, removing wheel balancing weights from alloy wheel rims etc.



FEATURES

CHROME VANADIUM	HEAT TREATED BODY
	 38-46 HRC
FORGED CONSTRUCTION	
	



Plier being used to detach wheel balancing weights



Hammer end being used to form wheel balancing weights



Prying wheel balancing weights from the alloy rims

ORDERING INFORMATION

CAT NR.	ORD NR.	LENGTH	
		(inch)	(mm)
WBP/CV/10	31665	10	250

Multi-purpose striking tool used in most assembly applications

Chrome plated screw head with 2 screw-in plastic faces which are designed to be replaced when worn out

Soft faces deliver a solid strike without damaging the work surfaces

Light weight tubular steel handle shifts the weight balance towards head for extra power in each blow

Extra soft non slip rubber handle grip for ultimate comfort and control



UTILITY

- Engineering
- Carpentry
- Injection Moulding
- Light Metal Working
- Denting & Painting
- Assembly & Fitting in Automotive Workshops
- Assembly work when need to avoid damage to component & parts

ORDERING INFORMATION

CAT NR.	ORD NR.	HEAD DIA.	
		(inch)	(mm)
HMR/SF/25	32530	1	25
HMR/SF/40	32531	1-9/16	40



Groz Engineering Tools (P) Ltd.
Groz Net Industries

Village Kherki Daula, National Highway-8
Gurgaon-122001, Haryana, INDIA

TEL +91.124.282.7734 / 2827740 / 2827777
FAX +91.124.2827980 / 2827986
E-MAIL info@groz-tools.com
URL www.groz-tools.com

Whilst every effort has been made to ensure accuracy of information given in this catalogue at the time of going to print, Feb 2016, our policy of continuous improvement determines the right to change specifications without notice. Customers must ensure that goods are suitable for the purpose intended.

cf03
mini


air



Groz Engineering Tools (P) Ltd.
Groz Net Industries

Village Kherki Daula, National Highway-8
Gurgaon-122001, Haryana, INDIA
TEL +91.124.282.7700 / 221.4050
FAX +91.124.2827986 / 221.4224
FAX (USA) +1.509.271.7848
FAX (UK) +44.870.121.1854

E-MAIL info@groz-tools.com
URL www.groz-tools.com

The GROZ name, GROZ logo and the  mark are trademarks of Groz Engineering Tools (P) Ltd., India

 **GROZ**

Introducing GROZ air control units

QUALITY FEATURES

- 01** Industrial construction with Aluminum Die Cast bodies as opposed to plastic bodies provides for a factor of safety of over 9 times, allows use at higher temperatures & allows for better tightening of piping without stripping the threads
- 02** Built-in Wall Mounting Bracket
- 03** Built-in Piping Adapters allows the individual components to be easily removed/mounted without disturbing the pipe line
- 04** Steel Bowl Guard protects the polycarbonate bowl from getting damaged
- 05** Filter unit incorporates both Separator & Shield for maximum moisture separation
- 06** Sintered Bronze Filtering Element as opposed to commonly used paper filter provides for better filtration without the need to replace the filter element
- 07** Semi Automatic Drain Incorporates "Night Time Drain" feature - automatically drains off the bowl when compressed air supply is switched off



Air Regulators	4
Precision Air Regulators	4
Air Filters with Semi Automatic Drain	4
Air Filters with Internal Auto Drain	5
Air Filters - Metal Bowl with Semi Automatic Drain	5
Air Filters - Metal Bowl with Internal Auto Drain	5
Coalescing Filters / Mist Separators (0.10 Microns)	6
Coalescing Filters / Mist Separators (0.01 Microns)	6
Air Lubricators	6
Air Lubricators - Metal Bowl	7

Filter - Regulator Combination with Semi Automatic Drain	7
Filter - Regulator Combination with Internal Auto Drain	7
Filter - Regulator Combination - Metal Bowl with Semi Automatic Drain	8
Filter - Regulator Combination - Metal Bowl with Internal Auto Drain	8
FRL - Modular, 2 piece with Semi Automatic Drain	8
FRL - Modular, 2 piece with Internal Auto Drain	9
FRL - Compact, 2 piece with Semi Auto Drain	9
FRL - Compact, 2 piece with Internal auto Drain	9
FRL - Modular, 2 piece Metal Bowl with Semi Automatic Drain	10
FRL - Modular, 2 piece Metal Bowl with Internal Auto Drain	10

MOUNTING BRACKET



OTHER FEATURES

- Each unit is 100% factory tested for guaranteed performance
- Designed for max. flow with proper sizing of all components

Whilst every effort has been made to ensure accuracy of information given in this catalogue at the time of going to print, Feb 2016, our policy of continuous improvement determines the right to change specifications without notice. Customers must ensure that goods are suitable for the purpose intended.

Imperial dimensions shown as equivalent to metric sizes are approximate and vice versa.

FRL - Compact, 2 piece Metal Bowl with Semi Automatic Drain	10
FRL - Compact, 2 piece Metal Bowl with Internal Auto Drain	11
FRL - Modular, 3 piece with Semi Automatic Drain	11
FRL - Modular, 3 piece with Internal Auto Drain	11
FRL - Compact, 3 piece with Semi Automatic Drain	12
FRL - Compact, 3 piece with Internal Auto Drain	12
FRL - Modular, 3 piece Metal Bowl with Semi Automatic Drain	12
FRL - Modular 3 piece Metal Bowl with Internal Auto Drain	13
FRL - Compact, 3 piece - Metal Bowl with Semi Automatic Drain	13
FRL - Compact, 3 piece - Metal Bowl with Internal Auto Drain	13

FRL Accessories	14
Automatic Line Drain	16
Auto Drain Valve - External	16
Polyurethane Recoil Air Hoses	16
Air Blow Guns (Polyacetal)	17
7 Piece Air Blow Gun Kit	17
Air Blow Gun - Professional (Nylon)	17
Metal Body Lever Air Blow Guns & Kits (with built-in venturi)	18
Air Line Fitting	20
Air Couplers & Nipple	20

01 Air Regulators



Pressure Adjustment Range:
7 - 145 PSI (0.5 - 10 BAR)

FACTORY TESTED	MAX. PRESSURE	AMBIENT TEMPERATURE	MOUNTING	CONFORMS TO
100%	220 PSI (15 BAR)	0°C (32°F) TO 60°C (140°F)	MODULAR & PANEL	ISO 6953-1

CAT NR. BSP THREADS	CAT NR. NPT THREADS	DESCRIPTION	PORT SIZE	FLOW RATE (MAX)	
				CFM	LPM
R13604	R13904	Miniature	1/8"	11	315
R13614	R13914	Miniature	1/4"	21	600
R14614	R14914	Intermediate	1/4"	56	1600
R14624	R14924	Intermediate	3/8"	88	2500
R15634	R15934	Standard	1/2"	140	4000
R17644	R17944	Heavy Duty *	3/4"	175	5000
R17654	R17954	Heavy Duty *	1"	210	6000

* Pressure Gauge Port is 1/4" - on all others, it is 1/8"

02 Precision Air Regulators



Pressure Adjustment Range:
1.45 - 116 PSI (0.1 - 8 BAR)

- Sensitive to within 0.2% of full span
- Repeatability ± 0.50% of full span
- Ideal for use in pressure critical applications such as air gauging, pressure clamping control, CMM, medical equipment, robotic spraying, HVAC instrumentation, MRO etc.

NEW!

FACTORY TESTED	MAX. PRESSURE	AMBIENT TEMPERATURE	MOUNTING
100%	145 PSI (10 BAR)	-5°C (23°F) TO 60°C (140°F)	MODULAR & PANEL

CAT NR. BSP THREADS	CAT NR. NPT THREADS	DESCRIPTION	PORT SIZE	FLOW RATE (MAX)		PRESSURE GAUGE PORT
				CFM	LPM	
PR13613	PR13913	Miniature	1/4"	42	1200	1/8"
PR15633	PR15933	Standard	1/2"	265	7500	1/8" & 1/4"

03 Air Filters with Semi Automatic Drain



40 Micron Sintered Bronze Filter Element

FACTORY TESTED	MAX. PRESSURE	AMBIENT TEMPERATURE	MOUNTING	CONFORMS TO
100%	145 PSI (10 BAR)	0°C (32°F) TO 60°C (140°F)	MODULAR & VERTICAL	ISO 5782-1

CAT NR. BSP THREADS	CAT NR. NPT THREADS	DESCRIPTION	PORT SIZE	FLOW RATE (MAX)	
				CFM	LPM
F13603-S	F13903-S	Miniature	1/8"	11	310
F13613-S	F13913-S	Miniature	1/4"	28	800
F14613-S	F14913-S	Intermediate	1/4"	49	1400
F14623-S	F14923-S	Intermediate	3/8"	80	2250
F15633-S	F15933-S	Standard	1/2"	125	3500
F17643-S	F17943-S	Heavy Duty	3/4"	175	5000
F17653-S	F17953-S	Heavy Duty	1"	230	6500

04 Air Filters with Internal Auto Drain

NEW!




FACTORY TESTED	MAX. PRESSURE	AMBIENT TEMPERATURE	MOUNTING	CONFORMS TO
100%	145 PSI (10 BAR)	0°C (32°F) TO 60°C (140°F)	MODULAR & VERTICAL	ISO 5782-1

CAT NR. BSP THREADS	CAT NR. NPT THREADS	DESCRIPTION	PORT SIZE	FLOW RATE (MAX)	
				CFM	LPM
F14613-A	F14913-A	Intermediate	1/4"	49	1400
F14623-A	F14923-A	Intermediate	3/8"	80	2250
F15633-A	F15933-A	Standard	1/2"	125	3500
F17643-A	F17943-A	Heavy Duty	3/4"	175	5000
F17653-A	F17953-A	Heavy Duty	1"	230	6500

05 Air Filters - Metal Bowl with Semi Automatic Drain




FACTORY TESTED	MAX. PRESSURE	AMBIENT TEMPERATURE	MOUNTING	CONFORMS TO	CHEMICAL INDUSTRY
100%	290 PSI (20 BAR)	0°C (32°F) TO 60°C (140°F)	VERTICAL	ISO 5782-1	

CAT NR. BSP THREADS	CAT NR. NPT THREADS	DESCRIPTION	PORT SIZE	FLOW RATE (MAX)	
				CFM	LPM
F13613-MS	F13913-MS	Miniature	1/4"	28	800
F14613-MS	F14913-MS	Intermediate	1/4"	49	1400
F14623-MS	F14923-MS	Intermediate	3/8"	80	2250
F15633-MS	F15933-MS	Standard	1/2"	125	3500
F17643-MS	F17943-MS	Heavy Duty	3/4"	175	5000
F17653-MS	F17953-MS	Heavy Duty	1"	230	6500

06 Air Filters - Metal Bowl with Internal Auto Drain

NEW!



FACTORY TESTED	MAX. PRESSURE	AMBIENT TEMPERATURE	MOUNTING	CONFORMS TO	CHEMICAL INDUSTRY
100%	290 PSI (20 BAR)	0°C (32°F) TO 60°C (140°F)	VERTICAL	ISO 5782-1	

CAT NR. BSP THREADS	CAT NR. NPT THREADS	DESCRIPTION	PORT SIZE	FLOW RATE (MAX)	
				CFM	LPM
F14613-MA	F14913-MA	Intermediate	1/4"	49	1400
F14623-MA	F14923-MA	Intermediate	3/8"	80	2250
F15633-MA	F15933-MA	Standard	1/2"	125	3500
F17643-MA	F17943-MA	Heavy Duty	3/4"	175	5000
F17653-MA	F17953-MA	Heavy Duty	1"	230	6500

07
Coalescing Filters / Mist Separators (0.10 Microns)


FACTORY TESTED	MAX. PRESSURE	AMBIENT TEMPERATURE	MOUNTING
100%	145 PSI (10 BAR)	5°C (41°F) TO 50°C (122°F)	MODULAR & VERTICAL

CAT NR. BSP THREADS	CAT NR. NPT THREADS	DESCRIPTION	PORT SIZE	FLOW RATE (MAX)	
				CFM	LPM
FS13603-S	FS13903-S	Miniature	1/8"	11	300
FS13613-S	FS13913-S	Miniature	1/4"	25	700
FS14613-S	FS14913-S	Intermediate	1/4"	43	1200
FS14623-S	FS14923-S	Intermediate	3/8"	57	1600
FS15633-S	FS15933-S	Standard	1/2"	124	3500

08
Coalescing Filters / Mist Separators (0.01 Microns)


FACTORY TESTED	MAX. PRESSURE	AMBIENT TEMPERATURE	MOUNTING
100%	145 PSI (10 BAR)	5°C (41°F) TO 50°C (122°F)	MODULAR & VERTICAL

CAT NR. BSP THREADS	CAT NR. NPT THREADS	DESCRIPTION	PORT SIZE	FLOW RATE (MAX)	
				CFM	LPM
FS13602-S	FS13902-S	Miniature	1/8"	7	200
FS13612-S	FS13912-S	Miniature	1/4"	11	300
FS14612-S	FS14912-S	Intermediate	1/4"	28	800
FS14622-S	FS14922-S	Intermediate	3/8"	32	900
FS15632-S	FS15932-S	Standard	1/2"	48	1350
• FS17642-S	FS17942-S	Heavy Duty	3/4"	71	2000
• FS17652-S	FS17952-S	Heavy Duty	1"	78	2200

• Max. Pressure limited to 8 BAR (116 PSI)


09
Air Lubricators


FACTORY TESTED	MAX. PRESSURE	AMBIENT TEMPERATURE	MOUNTING	CONFORMS TO
100%	145 PSI (10 BAR)	0°C (32°F) TO 60°C (140°F)	MODULAR & VERTICAL	ISO 6301-1

CAT NR. BSP THREADS	CAT NR. NPT THREADS	DESCRIPTION	PORT SIZE	FLOW RATE (MAX)	
				CFM	LPM
L1360	L1390	Miniature	1/8"	16	450
L1361	L1391	Miniature	1/4"	48	1350
L1461	L1491	Intermediate	1/4"	58	1650
L1462	L1492	Intermediate	3/8"	106	3000
L1563	L1593	Standard	1/2"	200	5650
L1764	L1794	Heavy Duty	3/4"	255	7200
L1765	L1795	Heavy Duty	1"	318	9000

10 Air Lubricators - Metal Bowl



FACTORY TESTED	MAX. PRESSURE	AMBIENT TEMPERATURE	MOUNTING	CONFORMS TO	CHEMICAL INDUSTRY
100%	290 PSI (20 BAR)	0°C (32°F) TO 60°C (140°F)	VERTICAL	ISO 6301-1	

CAT NR. BSP THREADS	CAT NR. NPT THREADS	DESCRIPTION	PORT SIZE	FLOW RATE (MAX)	
				CFM	LPM
L1361-M	L1391-M	Miniature	1/4"	48	1350
L1461-M	L1491-M	Intermediate	1/4"	58	1650
L1462-M	L1492-M	Intermediate	3/8"	106	3000
L1563-M	L1593-M	Standard	1/2"	200	5650
L1764-M	L1794-M	Heavy Duty	3/4"	255	7200
L1765-M	L1795-M	Heavy Duty	1"	318	9000

11 Filter - Regulator Combination with Semi Automatic Drain



FACTORY TESTED	MAX. PRESSURE	AMBIENT TEMPERATURE	MOUNTING	CONFORMS TO
100%	145 PSI (10 BAR)	0°C (32°F) TO 60°C (140°F)	MODULAR & PANEL	ISO 6953-1

CAT NR. BSP THREADS	CAT NR. NPT THREADS	DESCRIPTION	PORT SIZE	FLOW RATE (MAX)	
				CFM	LPM
FRC136034-S	FRC139034-S	Miniature	1/8"	14	400
FRC136134-S	FRC139134-S	Miniature	1/4"	20	550
FRC146134-S	FRC149134-S	Intermediate	1/4"	63	1800
FRC146234-S	FRC149234-S	Intermediate	3/8"	77	2200
FRC156334-S	FRC159334-S	Standard	1/2"	106	3000
FRC176434-S*	FRC179434-S*	Heavy Duty	3/4"	149	4250
FRC176534-S*	FRC179534-S*	Heavy Duty	1"	193	5500

* Pressure gauge port is 1/4" - on all others it is 1/8"

12 Filter - Regulator Combination with Internal Auto Drain

NEW!



FACTORY TESTED	MAX. PRESSURE	AMBIENT TEMPERATURE	MOUNTING
100%	145 PSI (10 BAR)	0°C (32°F) TO 60°C (140°F)	MODULAR & PANEL

CAT NR. BSP THREADS	CAT NR. NPT THREADS	DESCRIPTION	PORT SIZE	FLOW RATE (MAX)	
				CFM	LPM
FRC146134-A	FRC149134-A	Intermediate	1/4"	63	1800
FRC146234-A	FRC149234-A	Intermediate	3/8"	77	2200
FRC156334-A	FRC159334-A	Standard	1/2"	106	3000
FRC176434-A*	FRC179434-A*	Heavy Duty	3/4"	149	4250
FRC176534-A*	FRC179534-A*	Heavy Duty	1"	193	5500

* Pressure gauge port is 1/4" - on all others it is 1/8"


13

Filter - Regulator Combination - Metal Bowl with Semi Automatic Drain



Pressure Adjustment Range: 7-145 PSI (0.5-10 BAR)

40 Micron Sintered Bronze Filter Element

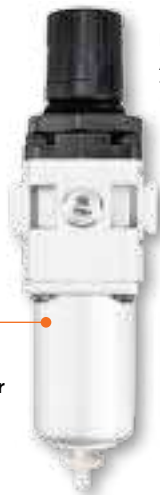
FACTORY TESTED	MAX. PRESSURE	AMBIENT TEMPERATURE	MOUNTING	CONFORMS TO	CHEMICAL INDUSTRY
100%	220 PSI (15 BAR)	0°C (32°F) TO 60°C (140°F)	PANEL	ISO 6953-1	

CAT NR. BSP THREADS	CAT NR. NPT THREADS	DESCRIPTION	PORT SIZE	FLOW RATE (MAX)	
				CFM	LPM
FRC136134-MS	FRC139134-MS	Miniature	1/4"	20	550
FRC146134-MS	FRC149134-MS	Intermediate	1/4"	63	1800
FRC146234-MS	FRC149234-MS	Intermediate	3/8"	77	2200
FRC156334-MS	FRC159334-MS	Standard	1/2"	106	3000
FRC176434-MS*	FRC179434-MS*	Heavy Duty	3/4"	210	6000
FRC176534-MS*	FRC179534-MS*	Heavy Duty	1"	228	6500

* Pressure gauge port is 1/4" - on all others it is 1/8"

14


Filter - Regulator Combination - Metal Bowl with Internal Auto Drain



Pressure Adjustment Range: 7-145 PSI (0.5-10 BAR)

40 Micron Sintered Bronze Filter Element

NEW!

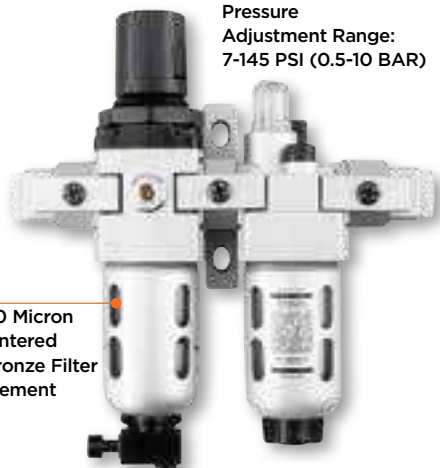
FACTORY TESTED	MAX. PRESSURE	AMBIENT TEMPERATURE	MOUNTING	CHEMICAL INDUSTRY
100%	220 PSI (15 BAR)	0°C (32°F) TO 60°C (140°F)	PANEL	

CAT NR. BSP THREADS	CAT NR. NPT THREADS	DESCRIPTION	PORT SIZE	FLOW RATE (MAX)	
				CFM	LPM
FRC146134-MA	FRC149134-MA	Intermediate	1/4"	63	1800
FRC146234-MA	FRC149234-MA	Intermediate	3/8"	77	2200
FRC156334-MA	FRC159334-MA	Standard	1/2"	106	3000
FRC176434-MA*	FRC179434-MA*	Heavy Duty	3/4"	210	6000
FRC176534-MA*	FRC179534-MA*	Heavy Duty	1"	228	6500

* Pressure gauge port is 1/4" - on all others it is 1/8"

15

FRL - Modular, 2 piece with Semi Automatic Drain



Pressure Adjustment Range: 7-145 PSI (0.5-10 BAR)

40 Micron Sintered Bronze Filter Element

FACTORY TESTED	MAX. PRESSURE	AMBIENT TEMPERATURE	MOUNTING	CONFORMS TO
100%	145 PSI (10 BAR)	0°C (32°F) TO 60°C (140°F)	MODULAR & VERTICAL	ISO 6953-1 ISO 6301-1

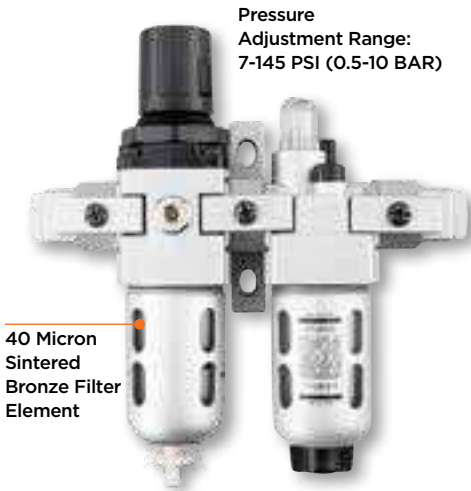
CAT NR. BSP THREADS	CAT NR. NPT THREADS	DESCRIPTION	PORT SIZE	FLOW RATE (MAX)	
				CFM	LPM
FRCLM136134-S	FRCLM139134-S	Miniature	1/4"	18	500
FRCLM146134-S	FRCLM149134-S	Intermediate	1/4"	53	1500
FRCLM146234-S	FRCLM149234-S	Intermediate	3/8"	63	1800
FRCLM156334-S	FRCLM159334-S	Standard	1/2"	99	2800
FRCLM176434-S*	FRCLM179434-S*	Heavy Duty	3/4"	123	3500
FRCLM176534-S*	FRCLM179534-S*	Heavy Duty	1"	140	4000

* Pressure gauge port is 1/4" - on all others it is 1/8"

16

FRL - Modular, 2 piece with Internal Auto Drain

NEW!



FACTORY TESTED	MAX. PRESSURE	AMBIENT TEMPERATURE	MOUNTING
100%	145 PSI (10 BAR)	0°C (32°F) TO 60°C (140°F)	MODULAR & VERTICAL

CAT NR. BSP THREADS	CAT NR. NPT THREADS	DESCRIPTION	PORT SIZE	FLOW RATE (MAX)	
				CFM	LPM
FRCLM146134-A	FRCLM149134-A	Intermediate	1/4"	53	1500
FRCLM146234-A	FRCLM149234-A	Intermediate	3/8"	63	1800
FRCLM156334-A	FRCLM159334-A	Standard	1/2"	99	2800
FRCLM176434-A*	FRCLM179434-A*	Heavy Duty	3/4"	123	3500
FRCLM176534-A*	FRCLM179534-A*	Heavy Duty	1"	140	4000

* Pressure gauge port is 1/4" - on all others it is 1/8"

17

FRL - Compact, 2 piece with Semi Automatic Drain

NEW!



FACTORY TESTED	MAX. PRESSURE	AMBIENT TEMPERATURE	MOUNTING
100%	145 PSI (10 BAR)	0°C (32°F) TO 60°C (140°F)	VERTICAL

CAT NR. BSP THREADS	CAT NR. NPT THREADS	DESCRIPTION	PORT SIZE	FLOW RATE (MAX)	
				CFM	LPM
FRCLM136134-S/W	FRCLM139134-S/W	Miniature	1/4"	18	500
FRCLM146134-S/W	FRCLM149134-S/W	Intermediate	1/4"	53	1500
FRCLM146234-S/W	FRCLM149234-S/W	Intermediate	3/8"	63	1800
FRCLM156334-S/W	FRCLM159334-S/W	Standard	1/2"	99	2800
FRCLM176434-S/W*	FRCLM179434-S/W*	Heavy Duty	3/4"	123	3500
FRCLM176534-S/W*	FRCLM179534-S/W*	Heavy Duty	1"	140	4000

* Pressure gauge port is 1/4" - on all others it is 1/8"

18

FRL - Compact, 2 piece with Internal Auto Drain

NEW!



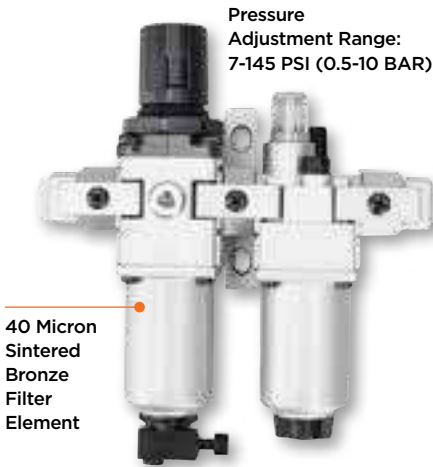
FACTORY TESTED	MAX. PRESSURE	AMBIENT TEMPERATURE	MOUNTING
100%	145 PSI (10 BAR)	0°C (32°F) TO 60°C (140°F)	VERTICAL


CAT NR. BSP THREADS	CAT NR. NPT THREADS	DESCRIPTION	PORT SIZE	FLOW RATE (MAX)	
				CFM	LPM
FRCLM146134-A/W	FRCLM149134-A/W	Intermediate	1/4"	53	1500
FRCLM146234-A/W	FRCLM149234-A/W	Intermediate	3/8"	63	1800
FRCLM156334-A/W	FRCLM159334-A/W	Standard	1/2"	99	2800
FRCLM176434-A/W*	FRCLM179434-A/W*	Heavy Duty	3/4"	123	3500
FRCLM176534-A/W*	FRCLM179534-A/W*	Heavy Duty	1"	140	4000

* Pressure gauge port is 1/4" - on all others it is 1/8"

19

FRL - Modular, 2 piece Metal Bowl with Semi Automatic Drain



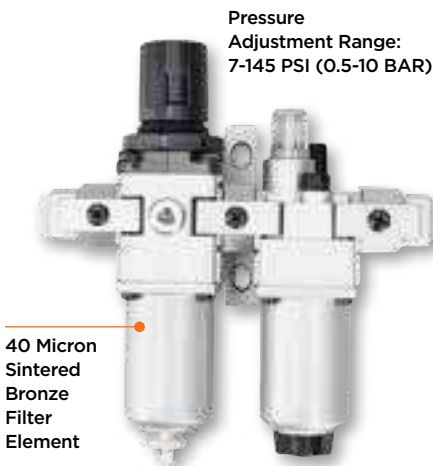
FACTORY TESTED	MAX. PRESSURE	AMBIENT TEMPERATURE	MOUNTING	CONFORMS TO	CHEMICAL INDUSTRY
100%	220 PSI (15 BAR)	0°C (32°F) TO 60°C (140°F)	MODULAR & VERTICAL	ISO 6953-1 ISO 5782-1 ISO 6301-1	

CAT NR. BSP THREADS	CAT NR. NPT THREADS	DESCRIPTION	PORT SIZE	FLOW RATE (MAX)	
				CFM	LPM
FRCLM136134-MS	FRCLM139134-MS	Miniature	1/4"	18	500
FRCLM146134-MS	FRCLM149134-MS	Intermediate	1/4"	53	1500
FRCLM146234-MS	FRCLM149234-MS	Intermediate	3/8"	63	1800
FRCLM156334-MS	FRCLM159334-MS	Standard	1/2"	99	2800
FRCLM176434-MS*	FRCLM179434-MS*	Heavy Duty	3/4"	123	3500
FRCLM176534-MS*	FRCLM179534-MS*	Heavy Duty	1"	140	4000


* Pressure gauge port is 1/4" - on all others it is 1/8"

20

FRL - Modular, 2 piece Metal Bowl with Internal Auto Drain



NEW!

FACTORY TESTED	MAX. PRESSURE	AMBIENT TEMPERATURE	MOUNTING	CHEMICAL INDUSTRY
100%	220 PSI (15 BAR)	0°C (32°F) TO 60°C (140°F)	MODULAR & VERTICAL	

CAT NR. BSP THREADS	CAT NR. NPT THREADS	DESCRIPTION	PORT SIZE	FLOW RATE (MAX)	
				CFM	LPM
FRCLM146134-MA	FRCLM149134-MA	Intermediate	1/4"	53	1500
FRCLM146234-MA	FRCLM149234-MA	Intermediate	3/8"	63	1800
FRCLM156334-MA	FRCLM159334-MA	Standard	1/2"	99	2800
FRCLM176434-MA*	FRCLM179434-MA*	Heavy Duty	3/4"	123	3500
FRCLM176534-MA*	FRCLM179534-MA*	Heavy Duty	1"	140	4000


* Pressure gauge port is 1/4" - on all others it is 1/8"

21

FRL - Compact, 2 piece Metal Bowl with Semi Automatic Drain



NEW!

FACTORY TESTED	MAX. PRESSURE	AMBIENT TEMPERATURE	MOUNTING	CHEMICAL INDUSTRY
100%	220 PSI (15 BAR)	0°C (32°F) TO 60°C (140°F)	VERTICAL	

CAT NR. BSP THREADS	CAT NR. NPT THREADS	DESCRIPTION	PORT SIZE	FLOW RATE (MAX)	
				CFM	LPM
FRCLM136134-MS/W	FRCLM139134-MS/W	Miniature	1/4"	18	500
FRCLM146134-MS/W	FRCLM149134-MS/W	Intermediate	1/4"	53	1500
FRCLM146234-MS/W	FRCLM149234-MS/W	Intermediate	3/8"	63	1800
FRCLM156334-MS/W	FRCLM159334-MS/W	Standard	1/2"	99	2800
FRCLM176434-MS/W*	FRCLM179434-MS/W*	Heavy Duty	3/4"	123	3500
FRCLM176534-MS/W*	FRCLM179534-MS/W*	Heavy Duty	1"	140	4000

* Pressure gauge port is 1/4" - on all others it is 1/8"

22


FRL - Compact, 2 piece Metal Bowl with Internal Auto Drain

NEW!



Pressure Adjustment Range:
7-145 PSI (0.5-10 BAR)

40 Micron Sintered Bronze Filter Element

FACTORY TESTED	MAX. PRESSURE	AMBIENT TEMPERATURE	MOUNTING	CHEMICAL INDUSTRY
100%	220 PSI (15 BAR)	0°C (32°F) TO 60°C (140°F)	VERTICAL	

CAT NR. BSP THREADS	CAT NR. NPT THREADS	DESCRIPTION	PORT SIZE	FLOW RATE (MAX)	
				CFM	LPM
FRCLM146134-MA/W	FRCLM149134-MA/W	Intermediate	1/4"	53	1500
FRCLM146234-MA/W	FRCLM149234-MA/W	Intermediate	3/8"	63	1800
FRCLM156334-MA/W	FRCLM159334-MA/W	Standard	1/2"	99	2800
FRCLM176434-MA/W*	FRCLM179434-MA/W*	Heavy Duty	3/4"	123	3500
FRCLM176534-MA/W*	FRCLM179534-MA/W*	Heavy Duty	1"	140	4000

* Pressure gauge port is 1/4" - on all others it is 1/8"

23

FRL - Modular, 3 piece with Semi Automatic Drain

Pressure Adjustment Range:
7-145 PSI (0.5-10 BAR)



40 Micron Sintered Bronze Filter Element

FACTORY TESTED	MAX. PRESSURE	AMBIENT TEMPERATURE	MOUNTING	CONFORMS TO
100%	145 PSI (10 BAR)	0°C (32°F) TO 60°C (140°F)	MODULAR & VERTICAL	ISO 6953-1 ISO 5782-1 ISO 6301-1

CAT NR. BSP THREADS	CAT NR. NPT THREADS	DESCRIPTION	PORT SIZE	FLOW RATE (MAX)	
				CFM	LPM
FRLM136134-S	FRLM139134-S	Miniature	1/4"	18	500
FRLM146134-S	FRLM149134-S	Intermediate	1/4"	46	1300
FRLM146234-S	FRLM149234-S	Intermediate	3/8"	71	2000
FRLM156334-S	FRLM159334-S	Standard	1/2"	106	3000
FRLM176434-S*	FRLM179434-S*	Heavy Duty	3/4"	123	3500
FRLM176534-S*	FRLM179534-S*	Heavy Duty	1"	175	5000

* Pressure gauge port is 1/4" - on all others it is 1/8"

24

FRL - Modular, 3 piece with Internal Auto Drain

NEW!

Pressure Adjustment Range:
7-145 PSI (0.5-10 BAR)



40 Micron Sintered Bronze Filter Element

FACTORY TESTED	MAX. PRESSURE	AMBIENT TEMPERATURE	MOUNTING
100%	145 PSI (10 BAR)	0°C (32°F) TO 60°C (140°F)	MODULAR & VERTICAL

CAT NR. BSP THREADS	CAT NR. NPT THREADS	DESCRIPTION	PORT SIZE	FLOW RATE (MAX)	
				CFM	LPM
FRLM146134-A	FRLM149134-A	Intermediate	1/4"	46	1300
FRLM146234-A	FRLM149234-A	Intermediate	3/8"	71	2000
FRLM156334-A	FRLM159334-A	Standard	1/2"	106	3000
FRLM176434-A*	FRLM179434-A*	Heavy Duty	3/4"	123	3500
FRLM176534-A*	FRLM179534-A*	Heavy Duty	1"	175	5000

* Pressure gauge port is 1/4" - on all others it is 1/8"

25

FRL - Compact, 3 piece with Semi Automatic Drain

Pressure Adjustment Range:
7-145 PSI (0.5-10 BAR)

NEW!



40 Micron Sintered Bronze Filter Element

FACTORY TESTED	MAX. PRESSURE	AMBIENT TEMPERATURE	MOUNTING
100%	145 PSI (10 BAR)	0°C (32°F) TO 60°C (140°F)	VERTICAL

CAT NR. BSP THREADS	CAT NR. NPT THREADS	DESCRIPTION	PORT SIZE	FLOW RATE (MAX)	
				CFM	LPM
FRLM136134-S/W	FRLM139134-S/W	Miniature	1/4"	18	500
FRLM146134-S/W	FRLM149134-S/W	Intermediate	1/4"	46	1300
FRLM146234-S/W	FRLM149234-S/W	Intermediate	3/8"	71	2000
FRLM156334-S/W	FRLM159334-S/W	Standard	1/2"	106	3000
FRLM176434-S/W*	FRLM179434-S/W*	Heavy Duty	3/4"	123	3500
FRLM176534-S/W*	FRLM179534-S/W*	Heavy Duty	1"	175	5000

* Pressure gauge port is 1/4" - on all others it is 1/8"

26

FRL - Compact, 3 piece with Internal Auto Drain

Pressure Adjustment Range:
7-145 PSI (0.5-10 BAR)

NEW!



40 Micron Sintered Bronze Filter Element

FACTORY TESTED	MAX. PRESSURE	AMBIENT TEMPERATURE	MOUNTING
100%	145 PSI (10 BAR)	0°C (32°F) TO 60°C (140°F)	VERTICAL

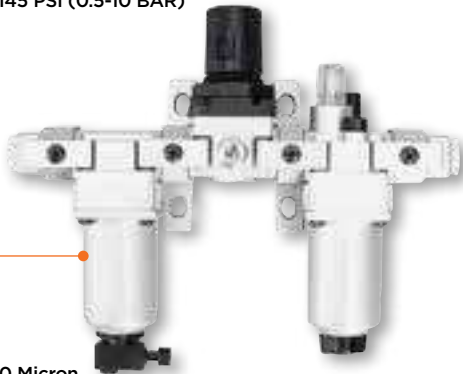
CAT NR. BSP THREADS	CAT NR. NPT THREADS	DESCRIPTION	PORT SIZE	FLOW RATE (MAX)	
				CFM	LPM
FRLM146134-A/W	FRLM149134-A/W	Intermediate	1/4"	46	1300
FRLM146234-A/W	FRLM149234-A/W	Intermediate	3/8"	71	2000
FRLM156334-A/W	FRLM159334-A/W	Standard	1/2"	106	3000
FRLM176434-A/W*	FRLM179434-A/W*	Heavy Duty	3/4"	123	3500
FRLM176534-A/W*	FRLM179534-A/W*	Heavy Duty	1"	175	5000

* Pressure gauge port is 1/4" - on all others it is 1/8"


27

FRL - Modular, 3 piece Metal Bowl with Semi Automatic Drain

Pressure Adjustment Range:
7-145 PSI (0.5-10 BAR)



40 Micron Sintered Bronze Filter Element

FACTORY TESTED	MAX. PRESSURE	AMBIENT TEMPERATURE	MOUNTING	CONFORMS TO	CHEMICAL INDUSTRY
100%	220 PSI (15 BAR)	0°C (32°F) TO 60°C (140°F)	MODULAR & VERTICAL	ISO 6953-1 ISO 5782-1 ISO 6301-1	

CAT NR. BSP THREADS	CAT NR. NPT THREADS	DESCRIPTION	PORT SIZE	FLOW RATE (MAX)	
				CFM	LPM
FRLM136134-MS	FRLM139134-MS	Miniature	1/4"	18	500
FRLM146134-MS	FRLM149134-MS	Intermediate	1/4"	46	1300
FRLM146234-MS	FRLM149234-MS	Intermediate	3/8"	71	2000
FRLM156334-MS	FRLM159334-MS	Standard	1/2"	106	3000
FRLM176434-MS*	FRLM179434-MS*	Heavy Duty	3/4"	123	3500
FRLM176534-MS*	FRLM179534-MS*	Heavy Duty	1"	175	5000

* Pressure gauge port is 1/4" - on all others it is 1/8"


28

FRL - Modular, 3 piece - Metal Bowl with Internal Auto Drain

Pressure Adjustment Range:
7-145 PSI (0.5-10 BAR)

NEW!



FACTORY TESTED	MAX. PRESSURE	AMBIENT TEMPERATURE	MOUNTING	CHEMICAL INDUSTRY
100%	220 PSI (15 BAR)	0°C (32°F) TO 60°C (140°F)	MODULAR & VERTICAL	

CAT NR.	CAT NR.	DESCRIPTION	PORT SIZE	FLOW RATE (MAX)	
				CFM	LPM
BSP THREADS	NPT THREADS				
FRLM146134-MA	FRLM149134-MA	Intermediate	1/4"	46	1300
FRLM146234-MA	FRLM149234-MA	Intermediate	3/8"	71	2000
FRLM156334-MA	FRLM159334-MA	Standard	1/2"	106	3000
FRLM176434-MA*	FRLM179434-MA*	Heavy Duty	3/4"	123	3500
FRLM176534-MA*	FRLM179534-MA*	Heavy Duty	1"	175	5000

* Pressure gauge port is 1/4" - on all others it is 1/8"


29

FRL - Compact, 3 piece - Metal Bowl with Semi Automatic Drain

Pressure Adjustment Range:
7-145 PSI (0.5-10 BAR)

NEW!



FACTORY TESTED	MAX. PRESSURE	AMBIENT TEMPERATURE	MOUNTING	CHEMICAL INDUSTRY
100%	220 PSI (15 BAR)	0°C (32°F) TO 60°C (140°F)	VERTICAL	

CAT NR.	CAT NR.	DESCRIPTION	PORT SIZE	FLOW RATE (MAX)	
				CFM	LPM
BSP THREADS	NPT THREADS				
FRLM136134-MS/W	FRLM139134-MS/W	Miniature	1/4"	18	500
FRLM146134-MS/W	FRLM149134-MS/W	Intermediate	1/4"	46	1300
FRLM146234-MS/W	FRLM149234-MS/W	Intermediate	3/8"	71	2000
FRLM156334-MS/W	FRLM159334-MS/W	Standard	1/2"	106	3000
FRLM176434-MS/W*	FRLM179434-MS/W*	Heavy Duty	3/4"	123	3500
FRLM176534-MS/W*	FRLM179534-MS/W*	Heavy Duty	1"	175	5000

* Pressure gauge port is 1/4" - on all others it is 1/8"


30

FRL - Compact, 3 piece - Metal Bowl with Internal Auto Drain

Pressure Adjustment Range:
7-145 PSI (0.5-10 BAR)

NEW!



FACTORY TESTED	MAX. PRESSURE	AMBIENT TEMPERATURE	MOUNTING	CHEMICAL INDUSTRY
100%	220 PSI (15 BAR)	0°C (32°F) TO 60°C (140°F)	VERTICAL	

CAT NR.	CAT NR.	DESCRIPTION	PORT SIZE	FLOW RATE (MAX)	
				CFM	LPM
BSP THREADS	NPT THREADS				
FRLM146134-MA/W	FRLM149134-MA/W	Intermediate	1/4"	46	1300
FRLM146234-MA/W	FRLM149234-MA/W	Intermediate	3/8"	71	2000
FRLM156334-MA/W	FRLM159334-MA/W	Standard	1/2"	106	3000
FRLM176434-MA/W*	FRLM179434-MA/W*	Heavy Duty	3/4"	123	3500
FRLM176534-MA/W*	FRLM179534-MA/W*	Heavy Duty	1"	175	5000

* Pressure gauge port is 1/4" - on all others it is 1/8"

Spacer


CAT NR.	DESCRIPTION
A2S01	For use with Miniature - F13, L13, R13, FRC13, FS13
A2S02	For use with Intermediate - F14, L14, R14, FRC14, FS14
A2S03	For use with Standard - F15, L15, R15, FRC15, FS15
A2S04	For use with Heavy Duty - F17, L17, R17, FRC17, FS17

Spacer With Port For Air Outlet


CAT NR.	DESCRIPTION
A2T01	For use with Miniature - F13, L13, R13, FRC13, FS13
A2T02	For use with Intermediate - F14, L14, R14, FRC14, FS14
A2T03	For use with Standard - F15, L15, R15, FRC15, FS15

Wall Mounting Bracket


CAT NR.	DESCRIPTION
A2W01	For use with Miniature - F13, L13, R13, FRC13, FS13
A2W02	For use with Intermediate - F14, L14, R14, FRC14, FS14
A2W03	For use with Standard - F15, L15, R15, FRC15, FS15
A2W04	For use with Heavy Duty - F17, L17, R17, FRC17, FS17

Wall Mounting Bracket with port for air outlet


CAT NR.	DESCRIPTION
A2V01	For use with Miniature - F13, L13, R13, FRC13, FS13
A2V02	For use with Intermediate - F14, L14, R14, FRC14, FS14
A2V03	For use with Standard - F15, L15, R15, FRC15, FS15

Piping Adapter


CAT NR.	CAT NR.	DESCRIPTION	PORT SIZE
BSP	NPT		
A2P11	A2P15	For use with Miniature - F13, L13, R13, FRC13, FS13	1/8"
A2P01	A2P04	For use with Miniature - F13, L13, R13, FRC13, FS13	1/4"
A2P12	A2P16	For use with Intermediate - F14, L14, R14, FRC14, FS14	1/4"
A2P02	A2P05	For use with Intermediate - F14, L14, R14, FRC14, FS14	3/8"
A2P03	A2P06	For use with Standard - F15, L15, R15, FRC15, FS15	1/2"
A2P07	A2P09	For use with Heavy Duty - F17, L17, R17, FRC17, FS17	3/4"
A2P08	A2P10	For use with Heavy Duty - F17, L17, R17, FRC17, FS17	1"

Modular Lock Out valves

 Max. 145 PSI
(10 Bar)

NEW!

CAT NR.	DESCRIPTION	PORT SIZE
BSP		
LKV/1361	Miniature	1/4"
LKV/1462	Intermediate	3/8"
LKV/1563	Standard	1/2"
NPT		
LKV/1391	Miniature	1/4"
LKV/1492	Intermediate	3/8"
LKV/1593	Standard	1/2"

Safety Lockout Valve & Spacer Kit

CAT NR.	DESCRIPTION	PORT SIZE
BSP		
LKV/1361/ST	Miniature	1/4"
LKV/1462/ST	Intermediate	3/8"
LKV/1563/ST	Standard	1/2"
NPT		
LKV/1391/ST	Miniature	1/4"
LKV/1492/ST	Intermediate	3/8"
LKV/1593/ST	Standard	1/2"

Mounting Clamp
for Individual Filters / Lubricators



CAT NR.	DESCRIPTION
A2C31	For use with Miniature - F13, L13, FS13
A2C32	For use with Intermediate - F14, L14, FS14
A2C33	For use with Standard - F15, L15, FS15
A2C34	For use with Heavy Duty - F17, L17, FS17

Pressure Gauge with threaded
end at the back

1.65" (42 mm)



CAT NR.	CAT NR.	FOR USE WITH MODEL SERIES	PORT SIZE
BSPT	NPT		
A2G02	A2G05	Miniature, Intermediate & Standard	1/8"
A2G08	A2G14	Heavy Duty	1/4"

Mounting Clamp for
Regulators & Filter Regulator
Combinations



CAT NR.	DESCRIPTION
A2C01	For use with Miniature - R13, FRC13
A2C02	For use with Intermediate - R14, FRC14
A2C03	For use with Standard - R15, FRC15
A2C04	For use with Heavy Duty - R17, FRC17

Digital Air Pressure Gauges with lighted display
Measures in PSI, BAR, MPa & kg/cm² includes
CR2032 lithium battery

NEW!

1-1/4" (30 mm)



1-1/4" (30 mm)

Accuracy ±2% of FS
Resolution 0.1 PSI/0.01 Bar

CAT NR.	THREADED
BSPT	
DPG/L/1-8/B	1/8"
DPG/L/1-4/B	1/4"
NPT	
DPG/L/1-8/N	1/8"
DPG/L/1-4/N	1/4"

Replacement Sintered Bronze
Filter Elements



CAT NR.	DESCRIPTION	FILTER SIZE
F582002	For use with Miniature - F13, FRC13, FRCLM13 & FRLM13 Series	40 Microns
F582022	For use with Intermediate - F14, FRLM14 Series	40 Microns
F582025	For use with Intermediate - FRC14, FRCLM14 Series	40 Microns
F582042	For use with Standard F15, FRC15, FRCLM15 & FRLM15 Series	40 Microns
F582051	For use with Heavy Duty- F17, FRC17, FRCLM17 & FRLM17 Series	40 Microns
F582000	For use with Miniature - F13, FRC13, FRCLM13 & FRLM13 Series	5 Microns
F582020	For use with Intermediate - F14, FRLM14 Series	5 Microns
F582026	For use with Intermediate - FRC14, FRCLM14 Series	5 Microns
F582040	For use with Standard F15, FRC15, FRCLM15 & FRLM15 Series	5 Microns
F582049	For use with Heavy Duty- F17, FRC17, FRCLM17 & FRLM17 Series	5 Microns

Replacement Borosilicate Filter Elements for
Coalescing Filters



CAT NR.	DESCRIPTION	FILTER SIZE
F890003	For use with Miniature - FS13	0.01 Microns
F890030	For use with Intermediate - FS14	0.01 Microns
F890001	For use with Standard - FS15	0.01 Microns
F890047	For use with Heavy Duty - FS17	0.01 Microns
F890004	For use with Miniature - FS13	0.10 Microns
F890036	For use with Intermediate - FS14	0.10 Microns
F890002	For use with Standard - FS15	0.10 Microns

Replacement Bowl for Filters / Lubricators



CAT NR.	DESCRIPTION
LA2000	Replacement Bowl with O Ring for Miniature Filters / Lubricators
LA2001	Replacement Bowl with O Ring for Intermediate Filters / Lubricators
LA2002	Replacement Bowl with O Ring for Standard & Heavy Duty Filters / Lubricators

32
Automatic Line Drain


FACTORY TESTED	PRESSURE	CONDENSATE DISCHARGE CAP.
100%	30-145 PSI (2-10 BAR)	60 ML (2 OZ.) / MIN
AMBIENT TEMPERATURE	MOUNTING	
5°C (41°F) TO 60°C (140°F)	VERTICAL	

CAT NR.	DESCRIPTION
NL161	1/4" BSP
NL191	1/4" NPT

33
Auto Drain Valve - External
NEW!


For use with all Groz polycarbonate bowl filters

CAT NR.	FOR USE WITH MODEL SERIES
A2D01	Miniature - F13, FS13
A2D02	Intermediate - F14, FS14
A2D03	Standard - F15, FS15
A2D04	Heavy Duty - F17, FS17

34
Polyurethane Recoil Air Hoses


Polyurethane Airline Hoses with Polyacetal bend restrictors & Brass swivel fittings on both ends

NEW!

MAX. WORKING PRESSURE	MIN. BURST PRESSURE
145 PSI (10 BAR)	508 PSI (35 BAR)
WORKING TEMPERATURE	
-5°C (23°F) TO 60°C (140°F)	

CAT NR.		THREADS	HOSE ID		HOSE OD		OVERALL LENGTH	
BSP THREADS	NPT THREADS	inch	mm	inch	mm	inch	feet	meter
PUH/5BO/5/1-4/BSP	PUH/5BO/5/1-4/N	1/4	5	3/16	8	5/16	5	1.5
PUH/5BO/10/1-4/BSP	PUH/5BO/10/1-4/N	1/4	5	3/16	8	5/16	10	3
PUH/5BO/15/1-4/BSP	PUH/5BO/15/1-4/N	1/4	5	3/16	8	5/16	15	4.5
PUH/5BO/20/1-4/BSP	PUH/5BO/20/1-4/N	1/4	5	3/16	8	5/16	20	6
PUH/5BO/25/1-4/BSP	PUH/5BO/25/1-4/N	1/4	5	3/16	8	5/16	25	7.5
PUH/6BO/5/1-4/BSP	PUH/6BO/5/1-4/N	1/4	6.50	1/4	10	3/8	5	1.5
PUH/6BO/10/1-4/BSP	PUH/6BO/10/1-4/N	1/4	6.50	1/4	10	3/8	10	3
PUH/6BO/15/1-4/BSP	PUH/6BO/15/1-4/N	1/4	6.50	1/4	10	3/8	15	4.5
PUH/6BO/20/1-4/BSP	PUH/6BO/20/1-4/N	1/4	6.50	1/4	10	3/8	20	6
PUH/6BO/25/1-4/BSP	PUH/6BO/25/1-4/N	1/4	6.50	1/4	10	3/8	25	7.5
PUH/10BO/5/3-8/BSP	PUH/10BO/5/3-8/N	3/8	9.5	3/8	12.7	1/2	5	1.5
PUH/10BO/10/3-8/BSP	PUH/10BO/10/3-8/N	3/8	9.5	3/8	12.7	1/2	10	3
PUH/10BO/15/3-8/BSP	PUH/10BO/15/3-8/N	3/8	9.5	3/8	12.7	1/2	15	4.5
PUH/10BO/20/3-8/BSP	PUH/10BO/20/3-8/N	3/8	9.5	3/8	12.7	1/2	20	6
PUH/10BO/25/3-8/BSP	PUH/10BO/25/3-8/N	3/8	9.5	3/8	12.7	1/2	25	7.5

35

Air Blow Guns (Polyacetal)



OSHA STD 1-13.1
for safety



PRESSURE
50-145 PSI (3.5-10 BAR)
OPERATING TEMPERATURE
-10°C (14°F) TO 70°C (158°F)

CAT NR.	THREADS
ABG/30/1-4F/BSP	1/4" BSP (F)
ABG/30/1-4F/N	1/4" NPT (F)

36

7 Piece Air Blow Gun Kit



KIT/ABG3/7ST/BSP

7 pc Air Blow Kit, packed to a Blow Molded case. Nylon Body Air Blow Gun with 4-1/2" SS Nozzle 1/4" BSP (F), 4" Chip Guard, Star Tipped Rubber Silencer Nozzle, Venturi Nozzle, Conical Rubber tipped nozzles (1/2", 1", 1.3/8")

KIT/ABG3/7ST/N

7 pc Air Blow Kit, packed to a Blow Molded case. Nylon Body Air Blow Gun with 4-1/2" SS Nozzle 1/4" NPT (F), 4" Chip Guard, Star Tipped Rubber Silencer Nozzle, Venturi Nozzle, Conical Rubber tipped nozzles (1/2", 1", 1.3/8")

37

Air Blow Guns - Professional (Nylon)



OSHA STD 1-13.1 for safety
OSHA STD 1910-95(b) for noise



ACCESSORIES AVAILABLE



NZL/SIL/ABG/3
Silencer Nozzle with
Soft Rubber Tip



NZL/VEN/ABG/3
Venturi Nozzle for Turbo
Charging Output



PS/ABG/3
4" (100mm) dia
Protective shield for
ABG/3 series Air Blow
Guns



NZL/RT1/ABG/3
Rubber Tip 1/2"
(12.7mm) for blowing
out lines



NZL/RT2/ABG/3
Rubber Tip 1" (25mm)
for blowing out lines



NZL/RT3/ABG/3
Rubber Tip 1.3/8" (35mm)
for blowing out lines

FACTORY TESTED	PRESSURE
100%	50-235 PSI (3.5-16 BAR)
OPERATING TEMPERATURE	NOISE LEVEL
-10°C (14°F) TO 70°C (158°F)	UNDER 80 db

CAT NR.	CAT NR.	THREAD	DETAILS
BSP	NPT	inch	
STANDARD REACH			
ABG/1/1-4F/BSP	ABG/1/1-4F/N	1/4	with Plastic tip
ABG/2/1-4F/BSP	ABG/2/1-4F/N	1/4	with Snub nose Rubber tip
ABG/3/1-4F/BSP	ABG/3/1-4F/N	1/4	4.1/2" (114 mm) long nozzle
ABG/4/1-4F/BSP	ABG/4/1-4F/N	1/4	5.1/2" (140 mm) long nozzle & Silencer
EXTENDED REACH			
ABG/3A/1-4F/BSP	ABG/3A/1-4F/N	1/4	13" (330 mm) long nozzle
ABG/3B/1-4F/BSP	ABG/3B/1-4F/N	1/4	20" (508 mm) long nozzle
ABG/3C/1-4F/BSP	ABG/3C/1-4F/N	1/4	39" (990 mm) long nozzle



TYPE: A
1/2" (13 mm) rubber tip



TYPE: B
standard



TYPE: C
standard safety



TYPE: D
high flow safety



TYPE: E
safety booster



TYPE: F
safety tamper proof



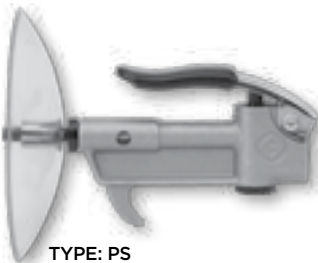
TYPE: G
1" (25 mm) rubber tip



TYPE: H
1-3/8" (35 mm) rubber tip



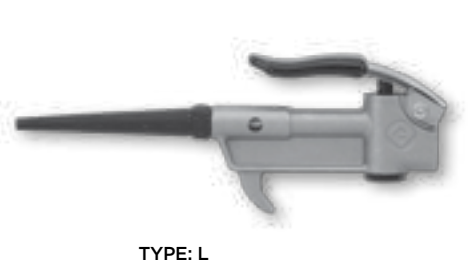
TYPE: J
soft rubber star tip



TYPE: PS
nozzle with 4" (100 mm) protective shield



TYPE: K
nylon screen 1-1/4" (32 mm) wide



TYPE: L
nylon tapered tube 3" (75 mm) long



TYPE: M
mini aluminum tip



TYPE: N1
ss needle 1-3/4" (44 mm) long x 0.072" (1.8 mm) dia.



TYPE: N2
SS needle 2-15/32" (62 mm) long x 0.095" (2.4 mm) dia.



TYPE: P
adjustable brass tip



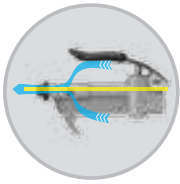
TYPE: S
nozzle with steel wire brush



TYPE: T1
extended reach aluminum tube 3" (75 mm) long

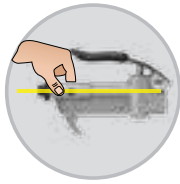
NEW!

VALUE



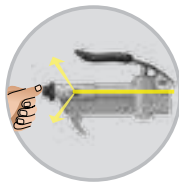
The in-built venturi mechanism, using side ports combines free ambient air with costly compressed air thus creating a large volume of usable output

TAMPER-PROOF



Unlike other blow guns, where vent holed are blocked user to create larger output, blocking of side ports in these reduces output thus defeating the incentive to tamper with the gun preventing costly safety violations

COMPLIANT



Conforms to OSHA standard for safety & noise. Gun itself is OSHA compliant & not dependent on the type of tip used

PRESSURE

DBA 85

150 PSI
10 BAR



TYPE: T4
extended reach aluminum tube 12" (300 mm) long

TYPE: T3
extended reach aluminum tube 9" (225 mm) long

TYPE: T2
extended reach aluminum tube 6" (150 mm) long

TYPE: R
extended reach telescopic tip 14" (355 mm) to 24" (610 mm)

TYPE: Q
extended reach 23" (585 mm) long with rubber tip

CAT. NR. BSP	CAT. NR. NPT	TYPE	AIR INLET inch	DESCRIPTION	OVERALL LENGTH	
					inch	mm
LAG/A/1-4/BSP	LAG/A/1-4/N	A	1/4	1/2" (13 mm) Rubber Tip	5	127
LAG/B/1-4/BSP	LAG/B/1-4/N	B	1/4	Standard	4-7/32	107
LAG/C/1-4/BSP	LAG/C/1-4/N	C	1/4	Standard Safety	4-9/32	109
LAG/D/1-4/BSP	LAG/D/1-4/N	D	1/4	High Flow Safety	5-3/16	132
LAG/E/1-4/BSP	LAG/E/1-4/N	E	1/4	Safety Booster	5-5/16	135
LAG/F/1-4/BSP	LAG/F/1-4/N	F	1/4	Safety Tamperproof	5	127
LAG/G/1-4/BSP	LAG/G/1-4/N	G	1/4	1" (25 mm) Rubber Tip	4-15/16	125
LAG/H/1-4/BSP	LAG/H/1-4/N	H	1/4	1-3/8" (35 mm) Rubber Tip	5	127
LAG/J/1-4/BSP	LAG/J/1-4/N	J	1/4	Soft Rubber Star Tip	5-5/16	135
LAG/PS/1-4/BSP	LAG/PS/1-4/N	PS	1/4	Nozzle with 4" (100 mm) Protective Shield	5-3/32	129
LAG/K/1-4/BSP	LAG/K/1-4/N	K	1/4	Nylon Screen 1-1/4" (325 mm) Wide	5	127
LAG/L/1-4/BSP	LAG/L/1-4/N	L	1/4	Nylon Tapered Tube 3" (75 mm) Long	7	179
LAG/M/1-4/BSP	LAG/M/1-4/N	M	1/4	Mini Aluminum Rip	4-11/32	110
LAG/N1/1-4/BSP	LAG/N1/1-4/N	N1	1/4	SS Needle 1-3/4" (44 mm) long x 0.072" (1.8 mm) Dia.	5-7/8	150
LAG/N2/1-4/BSP	LAG/N2/1-4/N	N2	1/4	SS Needle 2-15/32" (62 mm) long x 0.095" (2.4 mm) Dia.	6-11/16	170
LAG/P/1-4/BSP	LAG/P/1-4/N	P	1/4	Adjustable Brass Tip	5	125
LAG/S/1-4/BSP	LAG/S/1-4/N	S	1/4	Steel Wire Brush for Industrial Cleaning & Drying	8-1/4	210
LAG/Q/1-4/BSP	LAG/Q/1-4/N	Q	1/4	Extended Reach 23" (585 mm) Long with Rubber tip	26	660
LAG/R/1-4/BSP	LAG/R/1-4/N	R	1/4	Extended Reach Telescopic Tip 14" (355 mm) to 24" (610 mm)	20-3/8	517
LAG/T1/1-4/BSP	LAG/T1/1-4/N	T1	1/4	Extended Reach Aluminum Tube 3" (75 mm) Long	6-7/8	175
LAG/T2/1-4/BSP	LAG/T2/1-4/N	T2	1/4	Extended Reach Aluminum Tube 6" (150 mm) Long	9-27/32	250
LAG/T3/1-4/BSP	LAG/T3/1-4/N	T3	1/4	Extended Reach Aluminum Tube 9" (225 mm) Long	12-13/16	325
LAG/T4/1-4/BSP	LAG/T4/1-4/N	T4	1/4	Extended Reach Aluminum Tube 12" (300 mm) Long	15-3/4	400

All tips are threaded 1/8" and available as spare

6 PIECE
GENERAL PURPOSE KIT

KIT/LAG/6/ST/BSP
KIT/LAG/6/ST/N



5 PIECE
INDUSTRIAL PURPOSE KIT

KIT/LAG/5A/ST/BSP
KIT/LAG/5A/ST/N



8 PIECE
INDUSTRIAL KIT

KIT/LAG/8/ST/BSP
KIT/LAG/8/ST/N



5 PIECE
EXTENDED REACH KIT

KIT/LAG/5B/ST/BSP
KIT/LAG/5B/ST/N



5 PIECE
GENERAL PURPOSE KIT

KIT/LAG/5/ST/BSP
KIT/LAG/5/ST/N



4 PIECE
RUBBER TIP KIT

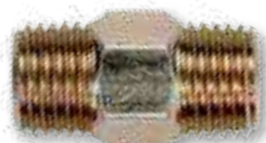
KIT/LAG/4/ST/BSP
KIT/LAG/4/ST/N

Ideal for blowing out lines
and cavities



21 PIECE
ALL PURPOSE KIT

KIT/LAG/21/ST/BSP
KIT/LAG/21/ST/N



NP/RP/N



NPL/KP71/K63

CAT NR.	DESCRIPTION
NPL/KP71/K63	1/4" BSP (M)
NPL/RP/N	1/4" NPT (M)



QCA/1-4F/N



AN/1-4/N



IV/PGG



AN/1-4F/N

PRESSURE
250 PSI
(17 BAR)

CAT NR.	DESCRIPTION
QCA/1-4F/N	Air Coupler, 1/4" NPT(F)
AN/1-4/N	Nipple for Air Coupler, 1/4" NPT(M)
AN/1-4F/N	Nipple for Air Coupler, 1/4" NPT(F)
IV/PGG	Universal Nipple, 1/4" NPT(M)



FUEL HANDLING EQUIPMENT

The World trusts.


01 Heavy Duty Electric Fuel Pumps

FPM





FPM-HF




FEATURES

FLOW RATE	GEAR PUMP
UPTO 57 LPM (15 GPM)	





FLUIDS

GASOLINE	DIESEL	BIO DIESEL	KEROSENE
			

FEATURES

FLOW RATE	GEAR PUMP
UPTO 75 LPM (20 GPM)	

FLUIDS

GASOLINE	DIESEL	BIO DIESEL	KEROSENE
			

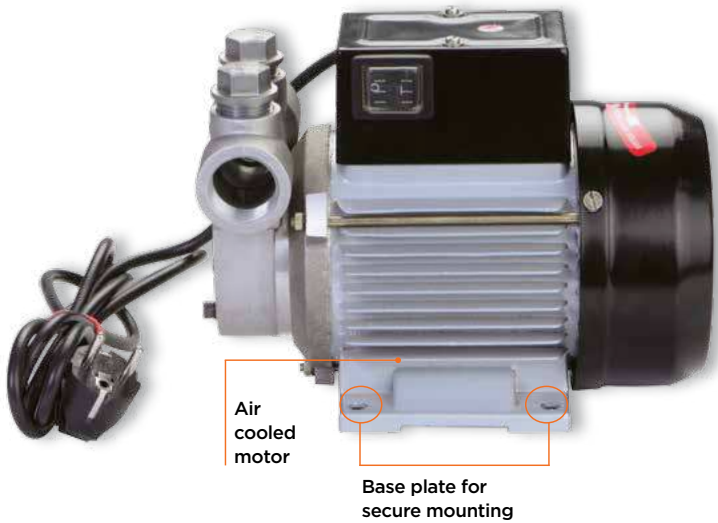
ORDERING INFORMATION

CAT NR.	FPM/12	FPM/24	FPM/115	FPM/220	FPM/12/HF
DESCRIPTION	Heavy Duty 12V DC	Heavy Duty 24V DC	Heavy Duty 115V AC	Heavy Duty 220V AC	Heavy Duty 12V DC
FLOW RATE (AT PUMP OUTLET)	Upto 57 LPM (15 GPM)*	Upto 57 LPM (15 GPM)*	Upto 49 LPM (13 GPM)	Upto 49 LPM (13 GPM)	Upto 75 LPM (20 GPM)*
EXPLOSION PROOF MOTOR	1/7 HP 12V DC	1/7 HP 24V DC	1/8 HP 115V AC, 60 Hz.	1/8 HP 220V AC, 50/60 Hz.	1/7 HP 12V DC
AMP	25 Amp	11 Amp	2.7 Amp	1.4 Amp	30 Amp
INTERNAL BYPASS VALVE	Yes	Yes	Yes	Yes	Yes
SUCTION PIPE	Steel	Steel	Steel	Steel	Steel
HOSE	3/4" x 12' Anti Static Hose	3/4" x 12' Anti Static Hose	3/4" x 12' Anti Static Hose	3/4" x 12' Anti Static Hose	1" x 12' Anti Static Hose
TANK ADAPTER	2" Threaded	2" Threaded	2" Threaded	2" Threaded	2" Threaded
INLET	1" NPT	1" NPT	1" NPT	1" NPT	1" NPT
OUTLET	3/4" NPT	3/4" NPT	3/4" NPT	3/4" NPT	1" NPT
DISPENSING NOZZLE	3/4" Manual with Swivel	3/4" Manual with Swivel	3/4" Manual with Swivel	3/4" Manual with Swivel	1" Manual with Swivel
BATTERY CABLE (2 WIRE)	15'	15'	NA	NA	15'
DUTY CYCLE	30 min ON / 30 min OFF	30 min ON / 30 min OFF	30 min ON / 30 min OFF	30 min ON / 30 min OFF	30 min ON / 30 min OFF


*Measured at pump outlet with Vehicle Engine switched on

02 Continuous Duty Electric Fuel Pumps



CDP



FEATURES

FLOW RATE	5 VANE PUMP
UPTO 56 LPM (15 GPM)	

FLUIDS

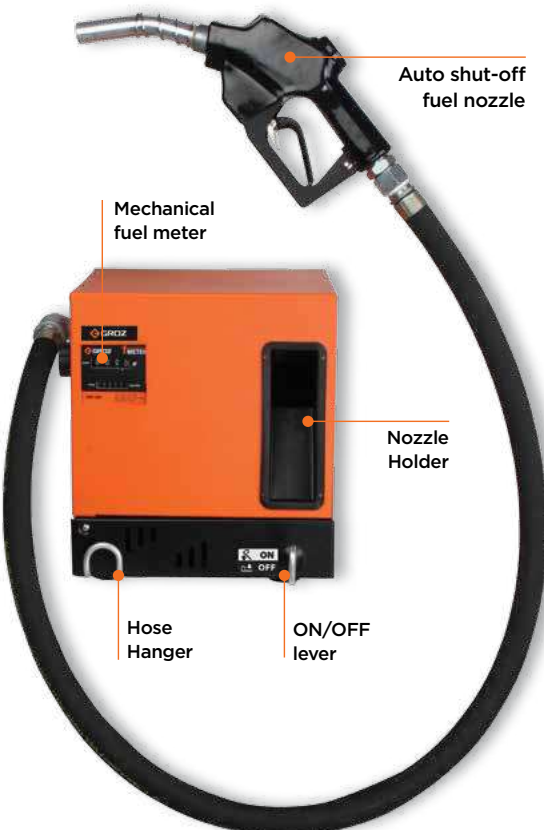
DIESEL	KEROSENE
	

ORDERING INFORMATION

CAT NR.	DESCRIPTION	INLET / OUTLET
CDP/220/EU	1/2 HP, 220V AC, 50/60 Hz Motor, 2m Power Cord with European Socket	1" BSP (F)
CDP/220/UK	1/2 HP, 220V AC, 50/60 Hz Motor, 2m Power Cord with British Socket	1" BSP (F)
CDP/220/AU	1/2 HP, 220V AC, 50/60 Hz Motor, 2m Power Cord with Australian Socket	1" BSP (F)
CDP/220/US	1/2 HP, 220V AC, 50/60 Hz Motor, 2m Power Cord with US Socket	1" NPT (F)
CDP/115/US	1/2 HP, 110V AC, 60 Hz Motor, 6-1/2' Power Cord with US Socket	1" NPT (F)

03 Mini Bowser - Diesel Refilling System

CBN





SPECIFICATIONS

SYSTEM / BOWSER DESCRIPTION	220V AC	110V AC
INLET / OUTLET	1" BSP (F)	1" NPT (F)
PUMP MOTOR	1/2 HP 220V AC, 50 Hz	1/2 HP 115V AC, 60 Hz
PUMP RPM	2700	3400
DUTY CYCLE	Continuous Duty	Continuous Duty
POWER CABLE LENGTH	2m	2m
METER ACCURACY	± 1%	± 1%
METER LEAST COUNT	0.10 litres	0.10 gallons
MAX. RESETTABLE BATCH TOTAL	999.9 litres	99.9 gallons
MAX. NON RESETTABLE TOTALIZER	999999 litres	99999.9 gallons
HOSE	3.6m long x 1" ID	10-1/2' long x 1" ID
NOZZLE	Auto Shut Off	Auto Shut Off

FEATURES

FLOW RATE	METER ACCURACY
UPTO 44 LPM (11 GPM)	± 1%

FLUID

DIESEL	KEROSENE
	


ORDERING INFORMATION

CAT NR.	DESCRIPTION	INLET / OUTLET
CBN/220EU/L/A	1/2 HP 220V AC, 50 Hz.	1" BSP
CBN/115US/G/A	1/2 HP 110V AC, 60 Hz.	1" NPT





EDP/12

FEATURES

FLOW RATE	5 VANE PUMP
UPTO 46 LPM (12 GPM)*	

*Measured at pump outlet with Vehicle Engine switched on

FLUIDS

DIESEL	KEROSENE
	

WARNING

Do not use fluids with a flash point below 100°F (38°C), such as Gasoline & Alcohol

Sparking could result in explosion causing fatal injury

VARIANTS



EDP/12M/ST
Base Mount



EDP/12MD/ST
Drum Mount

SPECIFICATIONS

	12V DC	24V DC	115V AC	220V AC
MOTOR	1/4 HP 12V DC	1/4 HP 24V DC	1/4 HP 115V AC, 60 Hz	1/4 HP 220V AC, 50/60 Hz
RPM	2600	2600	2600	2600
AMP DRAW FROM BATTERY	18 Amp	11 Amp	3 Amp	1.5 Amp
INTERNAL BYPASS VALVE	Yes	Yes	Yes	Yes
OUTLET	3/4" NPT	3/4" NPT	3/4" NPT	3/4" NPT
BATTERY CABLE	2m	2m	NA	NA
DUTY CYCLE	30 mins On / 30 mins Off	30 mins On / 30 mins Off	30 mins On / 30 mins Off	30 mins On / 30 mins Off

ORDERING INFORMATION

CAT NR.	CAT NR.	CAT NR.	CAT NR.	DESCRIPTION
12V DC PUMPS	24V DC PUMPS	115V AC PUMPS	220V AC PUMPS	
EDP/12	EDP/24	EDP/115	EDP/220	Pump Only (Base Mount)
EDP/12M/ST	EDP/24M/ST	EDP/115M/ST	EDP/220M/ST	Pump Kit (Base Mount) with Manual Nozzle
EDP/12A/ST	EDP/24A/ST	EDP/115A/ST	EDP/220A/ST	Pump Kit (Base Mount) with Automatic Nozzle
EDP/12MD/ST	EDP/24MD/ST	EDP/115MD/ST	EDP/220MD/ST	Pump Kit (Drum Mount) with Manual Nozzle
EDP/12AD/ST	EDP/24AD/ST	EDP/115AD/ST	EDP/220AD/ST	Pump Kit (Drum Mount) with Automatic Nozzle
BASE TO DRUM MOUNT CONVERSION KIT				
DMK/EDP	Accessories kit to convert Base to Drum Mount version			

05 Electric Fuel & Oil Pumps

EOP



WARNING

Do not use fluids with a flash point below 100°F (38°C), such as Gasoline & Alcohol

Sparking could result in explosion causing fatal injury

FEATURES

FLOW RATE	WORKING TEMPERATURE
UPTO 40 LPM (10.5 GPM)	-10°C TO 40°C (14°F TO 104°F)

FLUIDS

OIL	DIESEL	ANTIFREEZE
WATER	KEROSENE	WINDSHIELD FLUID

ORDERING INFORMATION

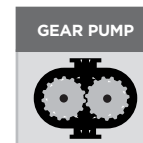
CAT NR.	DESCRIPTION
EOP/AC/110	110V AC, 60 Hz, 40 LPM (10.5 GPM)
EOP/AC/230	230V AC, 50/60 Hz, 40 LPM (10.5 GPM)
EOP/DC/12	12V DC, 35 LPM (9.25 GPM)
EOP/DC/24	24V DC, 35 LPM (9.25 GPM)

06 Electric Oil Pumps

OPM



FEATURES



FLUIDS



*Maximum viscosity of oil - SAE 90

ORDERING INFORMATION

CAT NR.	OPM/115	OPM/220	OPM/115/HF	OPM/220/HF	OPM/12
	AC REGULAR FLOW		AC HIGH FLOW		12 V DC
DESCRIPTION	Heavy Duty 115V AC	Heavy Duty 220V AC	High Flow Heavy Duty 115V AC	High Flow Heavy Duty 220V AC	Heavy Duty 12 V DC
FLOW RATE	Upto 15 LPM (4 GPM)	Upto 11.5 LPM (3 GPM)	Upto 30 LPM (8 GPM)	Upto 23 LPM (6 GPM)	Upto 13.2 LPM (3.5 GPM)
MOTOR	1/2 HP 115V AC, 60 Hz	1/2 HP 220V AC, 50 Hz	1/2 HP 115V AC, 60 Hz	1/2 HP 220V AC, 50 Hz	1/2 HP 12V DC
RPM	1600	1300	3400	2800	1500
SUCTION PIPE	34" long	34" long	34" long	34" long	34" long
HOSE	3/4" X 8'	3/4" X 8'	3/4" X 8'	3/4" X 8'	3/4" X 8'
BUNG ADAPTOR	2" Threaded	2" Threaded	2" Threaded	2" Threaded	2" Threaded
INLET	1" NPT	1" NPT	1" NPT	1" NPT	1" NPT
OUTLET	3/4" NPT	3/4" NPT	3/4" NPT	3/4" NPT	3/4" NPT

07 Electric Drum Pumps

EDR-55



Duty Cycle
15 Minutes ON /
15 Minutes OFF

Thread
Converter
(with 2.5\"/>

Fits
50- 205 litre
(15-55 gallon)
drums

3/4" (19 mm)
spout

ON/OFF
Switch

Flexible
corrugated
hose
2m (6.6')
long

FEATURES

FLOW RATE
UPTO 28 LPM (7.4 GPM)

FLUIDS

DIESEL	DEF / ADBLUE	WATER	KEROSENE
DETERGENTS	ANTIFREEZE	PESICIDES & HERBICIDES	LIGHT OIL

NEW!



ORDERING INFORMATION

CAT NR.	DESCRIPTION	FLOW RATE
EDR/55T/DC	With DC Power Cable (12V)	Upto 18.4 LPM (4.86 GPM)
EDR/55T/AC/US	With UL Listed AC Power Adapter, US Socket	Upto 18.9 LPM (5 GPM)
EDR/55T/AC/EU	With CE AC Power Adapter, European Socket	Upto 18.9 LPM (5 GPM)
EDR/55T/RB/19N/US	With Battery Adapter, one 19.2V, 1.5 Ah Ni Cd Rechargeable battery & UL Listed Battery Charger, US Socket	Upto 28 LPM (7.4 GPM)
EDR/55T/RB/19N/EU	With Battery Adapter, one 19.2V, 1.5 Ah Ni Cd Rechargeable battery & CE Battery Charger, EU Socket	Upto 28 LPM (7.4 GPM)
EDR/55T/RB/19L/US	With Battery Adapter, one 18.5V, 1.3 Li-ion Rechargeable battery & UL Listed Battery Charger, US Socket	Upto 28 LPM (7.4 GPM)
EDR/55T/RB/19L/EU	With Battery Adapter, one 18.5V, 1.3 Li-ion Rechargeable battery & CE Battery Charger, EU Socket	Upto 28 LPM (7.4 GPM)

08 Electric DEF/Adblue Transfer Pumps

DEFP



Duty Cycle
30 Minutes ON /
30 Minutes OFF

IP55

protection against
ingress of dust &
water

FEATURES

FLOW RATE	WORKING TEMPERATURE
UPTO 34 LPM (9 GPM)	-10°C TO 50°C (14°F TO 122°F)
DIAPHRAGM PUMP	

FLUIDS

DEF / ADBLUE	UREA	WATER
ANTIFREEZE	WINDSHIELD FLUID	

ORDERING INFORMATION

CAT NR.	DEFP/220	DEFP/115	DEFP/12
INPUT VOLTAGE	220V AC, 50/60 Hz.	115V AC, 60 Hz.	12V DC
MOTOR HP	1/2 HP	1/2 HP	1/4 HP
RPM	2800	3400	2900
AMP	1.5 Amp	3.0 Amp	16 Amp
INLET / OUTLET	3/4" Hose Barb	3/4" Hose Barb	3/4" Hose Barb

09 DEF/Adblue Transfer Systems

KIT-IBC

KIT-DRM

NEW!



KIT-IBC
(Tote/IBC not included)








KIT-DRM
(Drum & Dolly not included)

FEATURES

FLOW RATE	TEMPERATURE
UPTO 34 LPM (9 GPM)	-10°C TO 50°C (14°F TO 122°F)

FLUIDS

DEF / ADBLUE	UREA	WATER
		
ANTIFREEZE	WINDSHIELD FLUID	
		

ORDERING INFORMATION

CAT NR.	KIT/DRM/DEF/1/US	KIT/DRM/DEF/2/US	KIT/DRM/DEF/3/US	KIT/DRM/DEF/4/US
DRUM MOUNTING KIT				
Stainless Steel Drum Mounting Plate	Yes	Yes	Yes	Yes
Electric DEF/Adblue Transfer Pumps	Yes	Yes	Yes	Yes
DEF Digital Turbine Meter				Yes
Electric DEF/Adblue Control Nozzle - Manual	Yes	Yes		
Electric DEF/Adblue Control Nozzle - Automatic			Yes	Yes
Micro Matic RSV Dispenses Coupler		Yes	Yes	Yes
Inlet Hose	Yes	Yes	Yes	Yes
Discharge Hose	Yes	Yes	Yes	Yes
Suction Hose	Yes			
Connecting Hardware	Yes	Yes	Yes	Yes
CAT NR.	KIT/IBC/DEF/1/US	KIT/IBC/DEF/2/US	KIT/IBC/DEF/3/US	KIT/IBC/DEF/4/US
TOTE/IBC MOUNTING KIT				
Stainless Steel Drum Mounting Plate	Yes	Yes	Yes	Yes
Electric DEF/Adblue Transfer Pumps	Yes	Yes	Yes	Yes
DEF Digital Turbine Meter				Yes
Electric DEF/Adblue Control Nozzle - Manual	Yes	Yes		
Electric DEF/Adblue Control Nozzle - Automatic			Yes	Yes
Micro Matic RSV Dispenses Coupler		Yes	Yes	Yes
Inlet Hose	Yes	Yes	Yes	Yes
Discharge Hose	Yes	Yes	Yes	Yes
Suction Hose	Yes			
Connecting Hardware	Yes	Yes	Yes	Yes


PAOP/1

PAOP/1H

(Drum not included)

SPECIFICATIONS

AIR CONSUMPTION	125 LPM (4.40 CFM)
NOISE LEVEL	78 db
MAX. VISCOSITY OF MEDIA BEING PUMPED	SAE 50 / ISO 220
PUMP OUTLET	3/4" (19.5 mm) Dia.
AIR INLET CONNECTION	1/4" (F)

FEATURES

FLOW RATE	WORKING PRESSURE	
UPTO 30 LPM (8 GPM)	30 TO 100 PSI (2 TO 7 BAR)	
PISTON PUMP	MAX. OUTLET PRESSURE	MAX. AIR INLET PRESSURE
	45 PSI (3 BAR)	100 PSI (7 BAR)

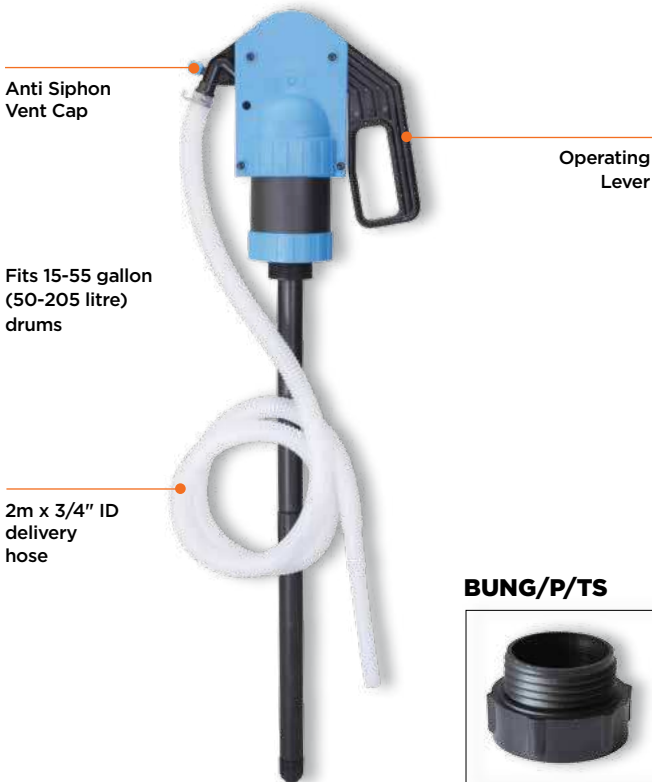
FLUIDS

OIL	ANTIFREEZE	WATER	DEF / ADBLUE
PESICIDES & HERBICIDES	UREA	WINDSHIELD FLUID	


ORDERING INFORMATION

CAT NR.	DESCRIPTION
PAOP/1	Pump Only
PAOP/1H	Pump with 2m PVC Hose (3/4" ID), Nylon Body Dispensing nozzle, 2 Hose Clamps and Safety Steel Bracket








11 Plastic Lever Pumps

PLP

BUNG/P/TS

FEATURES

FLOW RATE	WORKING TEMPERATURE	PISTON PUMP
UPTO 1 PINT (500ML) / STROKE	-5°C TO 45°C (23°F TO 113°F)	

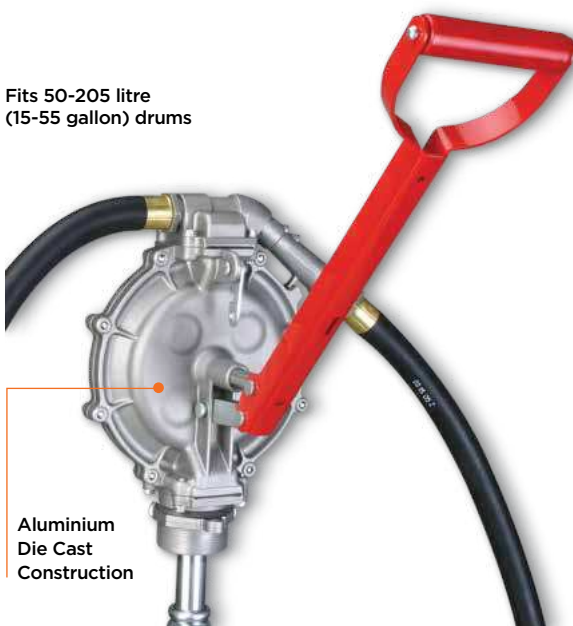
FLUIDS

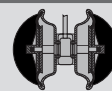
OIL	ANTIFREEZE	DEF / ADBLUE	UREA
			
WATER	WINDSHIELD FLUID	PESICIDES & HERBICIDES	
			

ORDERING INFORMATION

CAT NR.	DESCRIPTION
PLP/02	Pump with 2" Bung Adapter
PLP/02T	Pump with 2" Bung Adapter and an additional Tri sure adapter
BUNG/P/TS	Spare Tri sure adapter

12 Double Diaphragm Fuel Transfer Pump

DPP-1

FEATURES

FLOW RATE	DIAPHRAGM PUMP
UPTO 800 ML / STROKE (1 GAL. IN 5 STROKES)	

FLUIDS


DIESEL	KEROSENE	GASOLINE
		

ORDERING INFORMATION

CAT NR.	DESCRIPTION
DPP/1	Complete Pump Assembly
SERVICE PARTS	
SA/HOS/RBP/3V	8' x 3/4" Replacement Hose
GKT/DPP/1	Non Return Reed Valve Kit

13 Rotary Booster Pump 3:1
RB-3

FEATURES

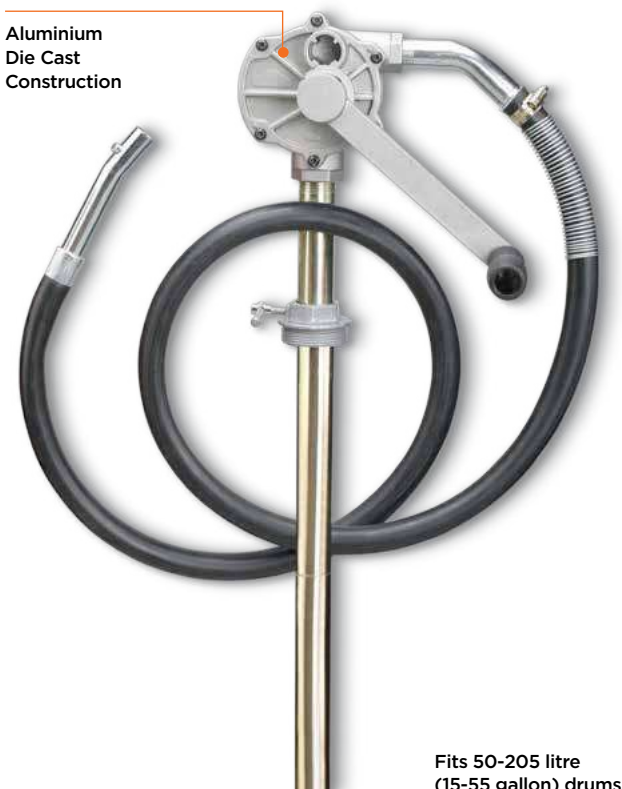
FLOW RATE	2 VANE PUMP
UPTO 500 ML / ROTATION	



FLUIDS

DIESEL	KEROSENE	GASOLINE
		






ORDERING INFORMATION

CAT NR.
RB/3H

14 Rotary Barrel Pump - Professional
RB-1

FEATURES

FLOW RATE	2 VANE PUMP
UPTO 250 ML / ROTATION	

FLUIDS

OIL	DIESEL	KEROSENE
		
GASOLINE	ANTIFREEZE	
		

ORDERING INFORMATION

CAT NR.	SEALS	DISCHARGE SPOUT
RB/1	NBR	Steel
RB/IV	VITON	Steel
RB/1H	NBR	1.8 m hose with nozzle, spring & hose clamp

15 Industrial Rotary Fuel Pumps

RBP-3V



Cast Iron Construction



FEATURES

FLOW RATE	3 VANE PUMP
UPTO 38 LPM (10 GPM)	

Fits 50-205 litre (15-55 gallon) drums

FLUIDS

OIL	DIESEL	BIO DIESEL	KEROSENE	GASOLINE

ORDERING INFORMATION

CAT NR.	DESCRIPTION
RBP/3V	Steel Spout
RBP/3V/H	8' Anti-Static Hose, Non-Sparking Aluminum Nozzle & Nozzle Holder
RBP/3V/H/MT	8' Anti-Static Hose, Non-Sparking Aluminum Nozzle, Nozzle Holder & Mechanical Fuel Meter (Litres)
RBP/3V/H/MTG	8' Anti-Static Hose, Non-Sparking Aluminum Nozzle, Nozzle Holder & Mechanical Fuel Meter (Gallons)

FM APPROVED PUMPS

RBP/3V/H/F	8' Anti-Static Hose, Non-Sparking Aluminum Nozzle & Nozzle Holder, Vacuum Breaker & Flame Arrestor
RBP/3V/F	Steel Discharge Spout, Drip Pan with Flame Arrestor
DP/RBP/3V	Replacement Drip Pan only

SERVICE PARTS

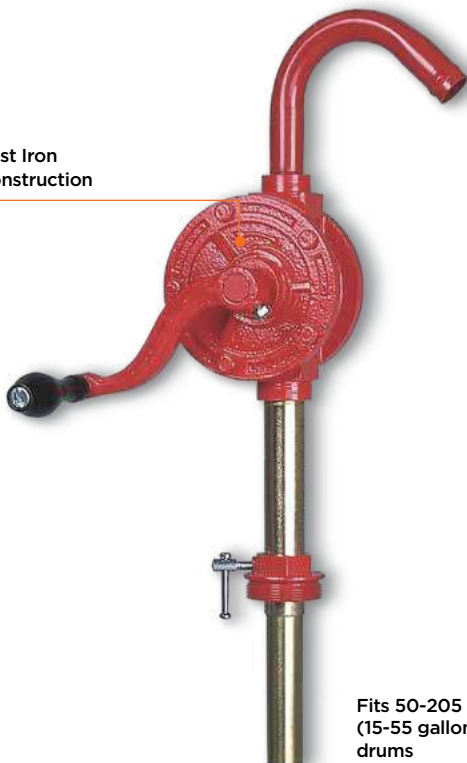
KIT/RBP/3V	Repair Kit
SA/HOS/RBP/3V	8' x 3/4" Replacement Hose

16 Rotary Barrel Pumps

GNB-20

GNB-25

Cast Iron Construction



Fits 50-205 litre (15-55 gallon) drums

FEATURES

FLOW RATE	2 VANE PUMP
GNB-20: 150 ML / ROTATION GNB-25: 200 ML / ROTATION	

FLUIDS

DIESEL	KEROSENE	OIL


ORDERING INFORMATION

CAT NR.	PUMP INLET	SEALS	DISCHARGE SPOUT	SUCTION TUBE
GNB-20T/SPL	3/4"	NBR	Steel	Telescopic
GNB-25T/SPL	1"	NBR	Steel	Telescopic
GNB-25/3R/SPL	1"	NBR	Steel	3 pc. Rigid
GNB-25V/3R/SPL	1"	Viton	Steel	3pc. Rigid
GNB-25/3R/PRO	1"	NBR	With 1.8 m hose & metal nozzle	3 pc. Rigid
GNB-25T/PRO	1"	NBR	With 1.8 m hose & metal nozzle	Telescopic





17 Lever Action Barrel Pumps
LBP-04
LBP-06
LBP-96

 Fits 50-205 litre
(15-55 gallon)
drums

FEATURES

FLOW RATE	PISTON PUMP
UPTO 300 ML (10 OZ) / STROKE	

FLUIDS


OIL	DIESEL	KEROSENE	ANTIFREEZE
			

ORDERING INFORMATION






CAT NR.	NON RETURN SEAL	USE WITH
LEVER ACTION BARREL PUMP		
LBP/04	NBR	Oils, Diesel, kerosene
ANTIFREEZE BARREL PUMP		
LBP/06	VITON	Antifreeze, Solvents, Thinners, Chemicals, Oils etc.
ANTIFREEZE BARREL PUMP WITH NON-DRIP		
LBP/96	VITON	Antifreeze, Solvents, Thinners, Chemicals, Oils etc.

18 Lever Action Bio Diesel & E85 Fuel Pump
LBP-85

FEATURES

FLOW RATE	PISTON PUMP
UPTO 300 ML (10 OZ) / STROKE	

FLUIDS

OIL	DIESEL	BIO DIESEL
		
KEROSENE	E85 FUEL	
		

ORDERING INFORMATION

CAT NR.	FOR USE ON
LBP/85	15 gal. (50 litre) - 55 gal. (205 litre) drums

19 Quart / Litre Stroke Pump
QSP-01





Ideal for dispensing exactly 1 quart or 1 litre/ stroke

Fits 50-205 litre (15-55 gallon) drums

FEATURES

FLOW RATE
1 LITRE (1 QUART) / STROKE

FLUIDS









OIL	DIESEL	KEROSENE
		

ORDERING INFORMATION

CAT NR.
QSP/01

20 Nylon Chemical Pumps
CMP-12

FLUIDS

OIL	BIO DIESEL	WATER	DEF / ADBLUE
			
LAQUERS & THINNERS	ANTIFREEZE	UREA	WINDSHIELD FLUID
			

ORDERING INFORMATION

CAT NR.	FOR USE ON	MAX. FLOW RATE
CMP/12	205 litre (55 gal.) drums	400 ml (14 oz.) / stroke
CMP/12S	25 litre drums	190 ml (6.3 oz.) / stroke

21 Siphon Pumps SPH-1 SPH-2 SPH-3



FLUIDS

SOAP	DETERGENTS	WATER	ANTIFREEZE
			

ORDERING INFORMATION

CAT NR.	FLOW RATE		BUNG	FITS	DISCHARGE HOSE LENGTH	
	LPM	GPM			(inch)	(mm)
SPH/1	6.5	1.7	1-1/2" for use with pails	5-20 litre (5 gal. pails)	21.69	551
SPH/2	17.5	4.6	2" for use with drums	205 litre (55 gal. drums)	46.45	1180
SPH/3	21	5.5	2" for use with drums	205 litre (55 gal. drums)	47.70	1212

22 Battery Operated Plastic Pump BOP-5







- Battery operated 3V DC motor
- Works with 2 "D" size (LR20) batteries (not included)
- Working life (one set) of batteries is upto 1500 litres (396 gallons)

FEATURES

FLOW RATE
UPTO 7 LPM (1.8 GPM)

FLUIDS

DIESEL	KEROSENE	WATER	OIL
			

ORDERING INFORMATION

CAT NR.	TOTAL LENGTH		SUCTION TUBE LENGTH	
	(inch)	(mm)	(inch)	(mm)
BOP/5	24.6	625	14.8	375

23 Plastic Rotary Pumps

PRP

ERP



Fits 50-205 litre
(15-55 gallon)
drums

RECOMMENDED USE
Light Oils, Antifreeze

ORDERING INFORMATION

CAT NR.

ERP/01



Fits 50-205 litre
(15-55 gallon)
drums

RECOMMENDED USE
DEF, Adblue, Urea

ORDERING INFORMATION

CAT NR.

PRP/02



Fits 50-205 litre
(15-55 gallon)
drums

RECOMMENDED USE
Acids, Chemicals, Water
based media, antifreeze,
detergents, Urea, Adblue,
DEF, Benzene, Glycerine etc.

ORDERING INFORMATION

CAT NR.

PRP/01



Fits 50-205 litre
(15-55 gallon)
drums

RECOMMENDED USE
Esters, Alcohols, Ketones,
Bases, Hydrocarbons, Water
Based Media, Urea, Adblue,
DEF

ORDERING INFORMATION

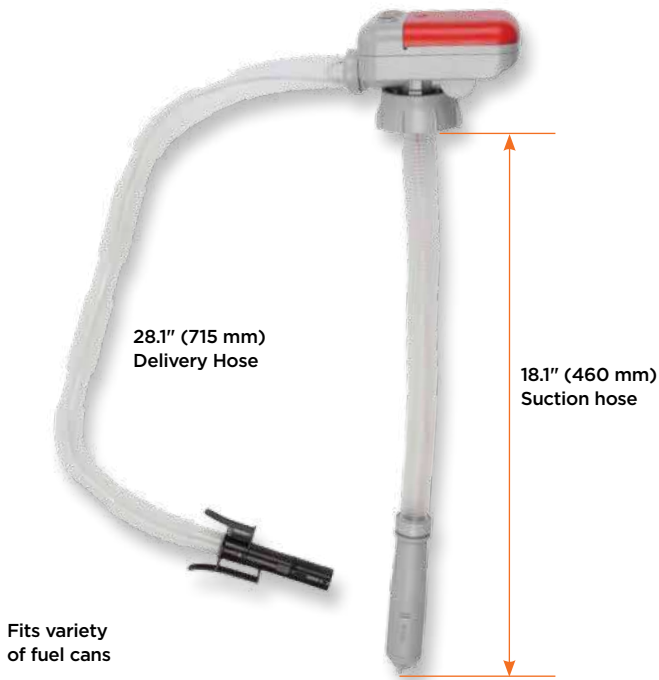
CAT NR.

PRP/10

SPECIFICATIONS

	ERP/01	PRP/02	PRP/01	PRP/10
DESCRIPTION	Standard	DEF	Professional	Heavy Duty
BODY COLOUR	Black	White	Yellow	Blue
ROTOR MATERIAL	PPCP	Polypropylene	Ryton	Ryton
HANDLE MATERIAL	PPCP	40% Glass Filled PP	40% Glass Filled PP	Aluminum Die Cast
SHAFT SEAL	Viton	Viton	Viton	PTFE
FASTENERS	Steel	Stainless Steel	Stainless Steel	Stainless Steel
INLET THREADS	Custom	Custom	Custom	3/4" BSP (F)
OUTLET THREADS	Custom	Custom	Custom	3/4" BSP (F)
DISCHARGE TUBE MATERIAL	PPCP	PPCP	PPCP	Stainless Steel SS 304
SUCTION TUBE	PPCP	PPCP	PPCP	Stainless Steel SS 304
STRAINER AT SUCTION TUBE INLET	Yes	Yes	Yes	No
NON RETURN VALVE AT SUCTION TUBE INLET	Yes	Yes	Yes	No
BUNG ADAPTOR MATERIAL	PPCP	PPCP	PPCP	Cast Iron
BUNG ADAPTOR SPEC.	2" for Metal Drums	2" for Metal Drums & 2nd adaptor for Plastic Drums	2" for Metal Drums & 2nd adaptor for Plastic Drums	2" for Metal Drums
WETTED COMPONENTS	Polypropylene, Ryton, Viton	Polypropylene, Ryton, Viton	Polypropylene, Ryton, Viton	Polypropylene, Ryton PTFE, Stainless Steel
TYPICAL USE	Infrequent / Light Use	Medium Use	Heavy Use	Tough Use
FLOW RATE	Upto 5 litres (1.3 gallon) per20 turns	Upto 5 litres (1.3 gallon) per20 turns	Upto 5 litres (1.3 gallon) per20 turns	Upto 5 litres (1.3 gallon) per20 turns

24 Battery Operated Fuel Transfer Pump

BOP-10
NEW!


- Built-in Auto Stop function: Automatically stops once transfer is complete
- Includes 3 bung adaptors to fit popular fuel cans
- Ideal for transferring fuel to farm equipment, boats, automobiles, lawn movers etc.

FEATURES

DELIVERS	TEMPERATURE RANGE	POWER SOURCE
UPTO 9 LPM (2.4 GPM) ON HIGH FLOW MODE	-5°C TO 45°C 23°F TO 113°F	*2 OR 4 "AA" ALKALINE BATTERIES

*not included

FLUIDS

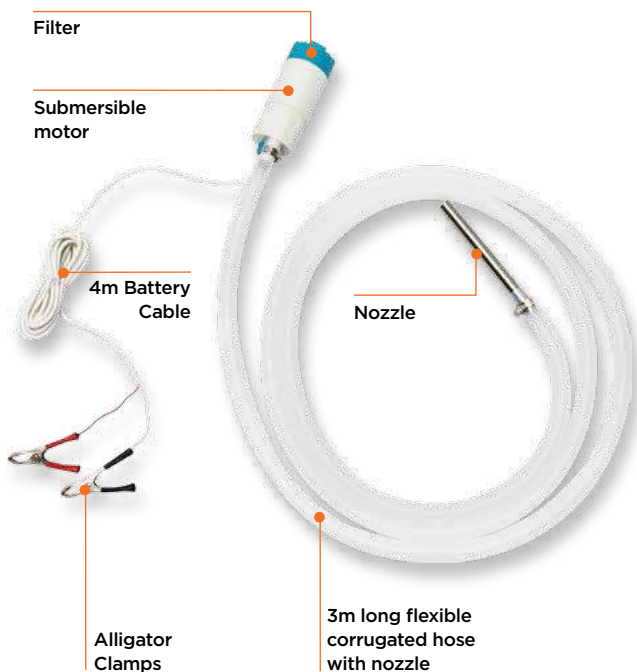
DIESEL	KEROSENE	WATER	GASOLINE	LIGHT OIL
				

ORDERING INFORMATION

CAT NR.

BOP/10

25 Submersible Diesel Pump





SDP-12
NEW!


Ideal for on-site diesel refuelling of construction & farm equipment

FEATURES

DELIVERS	POWER SOURCE
UPTO 15 LPM (4 GPM) AT 1 M HEIGHT	12V DC

FLUIDS

DIESEL	KEROSENE	WATER	LIGHT OIL
			

ORDERING INFORMATION

CAT NR.

SDP/12

26 Safety Pumps

 VERTICAL
LIFT

 LEVER
ACTION








VLP/SS/55/F
LLP/SS/55/F
FEATURES
VERTICAL LIFT
FLOW RATE

 UPTO
200 ML (7 OZ) /
STROKE

LEVER ACTION
FLOW RATE

 UPTO
60 ML (2 OZ) /
STROKE

FLUIDS

DIESEL	KEROSENE	GASOLINE	UREA
			
NAPHTHA	LAQUERS & THINNERS	DEF / ADBLUE*	*Only compatible with Stainless Steel 316 Pumps
			

ORDERING INFORMATION

CAT NR.	PUMP TYPE	SUITABLE FOR
STAINLESS STEEL 316 PUMPS		
VLP/SS/5/F	Vertical Lift	20-30 litre (5 gal.) pails
VLP/SS/55/F	Vertical Lift	50-205 litre (15-55 gal.) drums
LLP/SS/5/F	Lever Action	20-30 litre (5 gal.) pails
LLP/SS/55/F	Lever Action	50-205 litre (15-55 gal.) drums
CARBON STEEL PUMPS		
VLP/5/F	Vertical Lift	20-30 litre (5 gal.) pails
VLP/55/F	Vertical Lift	50-205 litre (15-55 gal.) drums

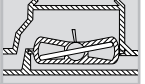
27 F Meter - Mechanical Fuel Meters

FM-100







Available in
Litre & Gallon
Version

FEATURES

FLOW RATE		
15 TO 75 LPM (4 TO 20 GPM)		
* Tested in laboratory conditions Note: Not to be used to measure media for resale		
MAX. WORKING PRESSURE	WORKING TEMPERATURE RANGE	NUTATING DISC MECHANISM
50 PSI (3.5 BAR)	-10° TO 65°C (14°F TO 150°F)	

FLUIDS

OIL	DIESEL	BIO DIESEL	GASOLINE
			

ORDERING INFORMATION

CAT NR.	MEASUREMENT	THREADS
FM-100/3-4/BSP	Litres	3/4" BSP (F)
FM-100/3-4/N	Litres	3/4" NPT (F)
FM-100G/3-4/N	Gallons	3/4" NPT (F)
FM-100/0-1/BSP	Litres	1" BSP (F)
FM-100/0-1/N	Litres	1" NPT (F)
FM-100G/0-1/N	Gallons	1" NPT (F)

SPECIFICATIONS

FLOW RATE	15 to 75 LPM (4 to 20 GPM)
ACCURACY *	± 1%
REPEATABILITY *	± 1%
MAX. WORKING PRESSURE	50 PSI (3.5 BAR)
MAX. RESETTABLE BATCH TOTALIZER	9999 Litres or 999.9 Gallons
MAX. NON RESETTABLE BATCH TOTALIZER	999999 Litres or 99999.9 Gallons
LEAST COUNT / RESOLUTION	0.10 Litres or 0.10 Gallons

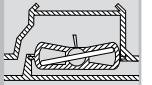
28 Mechanical Diesel Meters

FM-10






Available in
& Gallon Version

FEATURES

FLOW RATE		
20 TO 120 LPM (5 TO 32 GPM)		
* Tested in laboratory conditions Note: Not to be used to measure media for resale		
MAX. WORKING PRESSURE	WORKING TEMPERATURE RANGE	NUTATING DISC MECHANISM
145 PSI (10 BAR)	-10° TO 60°C (14°F TO 140°F)	

FLUIDS

OIL	DIESEL	BIO DIESEL
		

ORDERING INFORMATION

CAT NR.	MEASUREMENT	THREADS
FM-10/0-1/BSP	Litres	1" BSP (F)
FM-10/0-1/N	Litres	1" NPT (F)
FM-10G/0-1/N	Gallons	1" NPT (F)

SPECIFICATIONS

ACCURACY *	± 1%
REPEATABILITY *	± 0.30%
LEAST COUNT /RESOLUTION	0.10 Litres or 0.10 Gallons
MAX. VISCOSITY OF MEDIA	2,000 cst
MAX. RESETTABLE BATCH TOTALIZER	999 Litres or 99.9 Gallons
MAX. NON RESETTABLE BATCH TOTALIZER	9,99,999 Litres or 99999.9 Gallons

29 Digital Fuel Meters

FM-20



FEATURES

FLOW RATE			* Tested in laboratory conditions Note: Not to be used to measure media for resale
7 TO 120 LPM (2 TO 32 GPM)			
MAX. WORKING PRESSURE	WORKING TEMPERATURE RANGE	TURBINE MECHANISM	
300 PSI (20 BAR)	-10° TO 50°C (14°F TO 122°F)		

FLUIDS

DIESEL	GASOLINE	BIO DIESEL
WINDSHIELD FLUID	WATER	

ORDERING INFORMATION

CAT NR.	THREADS
FM/20/0-1/BSP	1" BSP (M) x 1" BSP (F)
FM/20/0-1/N	1" NPT (M) x 1" NPT (F)

SPECIFICATIONS

ACCURACY*	± 1%
REPEATABILITY*	± 0.30%
LEAST COUNT/ RESOLUTION	0.001 units
MAX. VISCOSITY OF MEDIA	5.35 cst
MAX. RESETTABLE BATCH TOTALIZER	99,999 Units
MAX. NON RESETTABLE BATCH TOTALIZER	9,99,999 Units

30 DEF Digital Turbine Meters

WM-20



NEW!

FEATURES

FLOW RATE			* Tested in laboratory conditions Note: Not to be used to measure media for resale
7 TO 120 LPM (2 TO 32 GPM)			
MAX. WORKING PRESSURE	WORKING TEMPERATURE RANGE	TURBINE MECHANISM	
145 PSI (10 BAR)	-10° TO 50°C (14°F TO 122°F)		

FLUIDS

UREA	DEF / ADBLUE	WATER	WINDSHIELD FLUID

ORDERING INFORMATION

CAT NR.	THREADS
WM/20/0-1/BSP	1" BSP
WM/20/0-1/N	1" NPT

SPECIFICATIONS

ACCURACY*	± 1%
REPEATABILITY*	± 0.30%
LEAST COUNT/ RESOLUTION	0.001 units
MAX. VISCOSITY OF MEDIA	5.35 cst
WATER RESISTANCE	IP 55
MAX. RESETTABLE BATCH TOTALIZER	99,999 Units
MAX. NON RESETTABLE BATCH TOTALIZER	9,99,999 Units

31 Fuel Control Nozzles - Automatic

FCNA



Also available with swivel



FEATURES

MAX. WORKING PRESSURE
50 PSI (3.45 BAR)

FLUIDS

DIESEL	KEROSENE
GASOLINE	

FCNA/3-4/N

FCNA/0-1/N

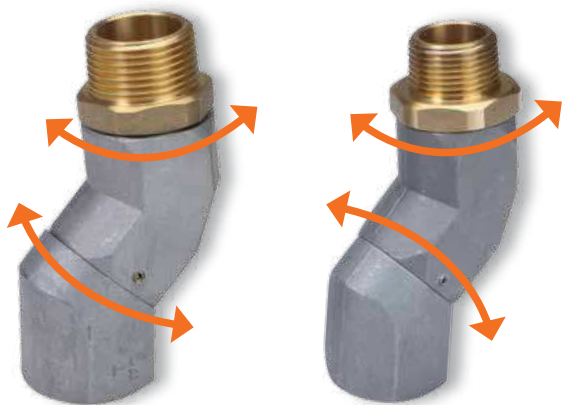
FCNA/3-4A/N

ORDERING INFORMATION

CAT NR.	INLET THREADS	FLOW RATE		SPOUT DIA (OD)		SPOUT DIA (ID)		SPOUT TYPE	SPOUT LENGTH		COLOR OF SLEEVE
		LPM	GPM	(inch)	(mm)	(inch)	(mm)		(inch)	(mm)	
FCNA/3-4/N	3/4" NPT (F)	60	15.87	13/16	21	11/16	17	Straight	7	180	Black
FCNA/3-4A/N	3/4" NPT (F)	60	15.87	13/16	21	5/8	16	Curved	6.2	160	Black
FCNA/3-4B/N	3/4" NPT (F)	60	15.87	15/16	24	3/4	19.5	Curved	6.2	160	Black
FCNA/0-1/N	1" NPT (F)	100	26.45	1-1/16	27	27/32	21	Curved	5-1/2	140	Black
FCNA/0-1T/GN/N	1" NPT (F)	110	29.05	1-3/16	30	1	25	Curved	5-1/2	140	Green

32 Dual Plane Fuel Nozzle Swivels

SWV-DP



SWV/DP/0-1/N

SWV/DP/3-4/N

FEATURES

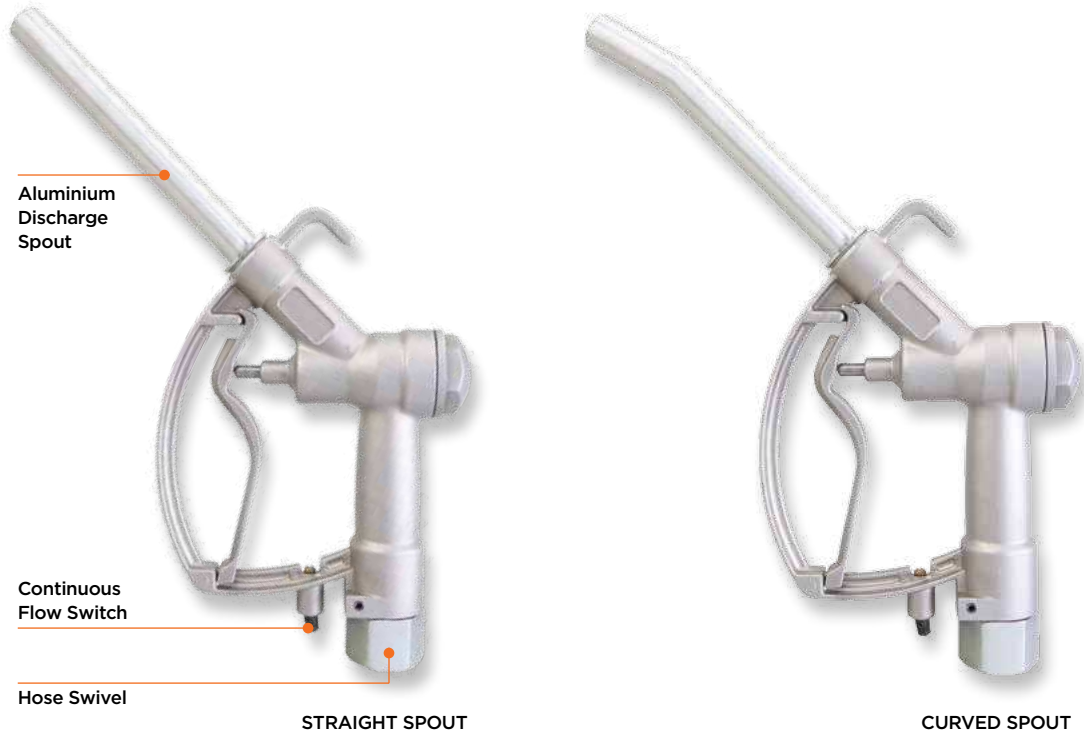
MAX. WORKING PRESSURE
50 PSI (3.45 BAR)

FLUIDS

DIESEL	KEROSENE	GASOLINE	BIO DIESEL

ORDERING INFORMATION

CAT NR.	THREADS
SWV/DP/3-4/N	3/4" NPT (F) X 3/4" NPT (M)
SWV/DP/0-1/N	1" NPT (F) X 1" NPT (M)


FEATURES

MAX. WORKING PRESSURE	FLOW RATE
50 PSI (3.45 BAR)	UPTO 75 LPM (20 GPM)

FLUIDS

ORDERING INFORMATION

CAT NR.	FOR USE WITH	INLET THREADS	SPOUT DIA. (OD)		SPOUT DIA. (ID)		MAX. FLOW RATE	
			(inch)	(mm)	(inch)	(mm)	LPM	GPM
NOZZLES WITH SWIVEL								
Straight Spout								
FCN/S/3-4/3-4/BSP	Diesel & Gasoline	3/4" BSP (F)	3/4	19	0.61	15.6	57	15
FCN/S/0-1/0-1/BSP	Diesel	1" BSP (F)	1	25	0.86	22	75	20
FCN/S/3-4/3-4/N	Diesel & Gasoline	3/4" NPT (F)	3/4	19	0.61	15.6	57	15
FCN/S/0-1/0-1/N	Diesel	1" NPT (F)	1	25	0.86	22	75	20
Curved Spout								
FCN/S/0-1/0-1/C/N	Diesel	1" NPT (F)	1	25	0.86	22	75	20
FCN/S/0-1/3-4/C/N	Diesel & Gasoline	1" NPT (F)	3/4	19	0.61	15.6	57	15
FCN/S/0-1/0-1/C/BSP	Diesel	1" BSP (F)	1	25	0.86	22	75	20
FCN/S/0-1/3-4/C/BSP	Diesel & Gasoline	1" BSP (F)	3/4	19	0.61	15.6	57	15
FCN/S/3-4/3-4/C/BSP	Diesel	3/4" BSP (F)	3/4	19	0.61	15.6	57	15
FCN/S/3-4/3-4/C/N	Diesel & Gasoline	3/4" NPT (F)	3/4	19	0.61	15.6	57	15
NOZZLES WITH HOSE BARB								
FCN/HB/3-4	Diesel & Gasoline	3/4" Hose Barb	3/4	19	0.61	15.6	57	15
FCN/HB/0-1	Diesel	1" Hose Barb	1	25	0.86	22	75	75



34 Manual Fuel Control Nozzle - Metered
FM-20-FCN

 Measures in Litres,
Quarts, Pints & Gallons

FEATURES

FLOW RATE	MAX. WORKING PRESSURE	WORKING TEMPERATURE RANGE
7 TO 75 LPM (2 TO 20 GPM)	50 PSI (3.5 BAR)	-10°C TO 50°C (14°F TO 122°F)

FLUIDS

DIESEL	GASOLINE
	

ORDERING INFORMATION

CAT NR.	CAT NR.	INLET THREADS	SPOUT DIA. (OD)	
			(mm)	(inch)
BSP	NPT	(inch)		
FM-20/FCN/3-4/BSP	FM-20/FCN/3-4/N	3/4	19	3/4
FM-20/FCN/0-1/BSP	FM-20/FCN/0-1/N	1	25	1

35 DEF/Adblue Control Nozzle - Manual
FCN-NY
NEW!

FEATURES

FLOW RATE	MAX. WORKING PRESSURE	TEMPERATURE
20 TO 90 LPM (5 TO 23.8 GPM)	72.5 PSI (5 BAR)	UPTO 60°C (140°F)

FLUIDS

UREA	DEF / ADBLUE	WATER
		

ORDERING INFORMATION


CAT NR.	INLET	SPOUT DIA. (OD)		SPOUT DIA. (ID)	
		(inch)	(mm)	(inch)	(mm)
FCN/NY/HB/3-4	3/4" (20 mm) Hose Barb	3/4	18.8	0.57	14.6

36 DEF/Adblue Control Nozzle - Automatic
FCNA-SS
NEW!



100% stainless steel construction

SS Swivel with 3/4" (20 mm) hose barb

FEATURES

FLOW RATE	MAX. WORKING PRESSURE	WORKING TEMPERATURE RANGE	E85 FUEL
UPTO 45 LPM (11.9 GPM)	50 PSI (3.5 BAR)	-10°C TO 50°C (14°F TO 122°F)	

FLUIDS





UREA	DEF / ADBLUE	WATER
		

ORDERING INFORMATION

CAT NR.	SPOUT	INLET	SPOUT DIA. (OD)		SPOUT DIA. (ID)	
			(inch)	(mm)	(inch)	(mm)
FCNA/S/SS/3-4	Curved	3/4" (20 mm) Hose Barb	0.73	18.5	0.63	16

37 Stainless Steel DEF Nozzle Swivel
SWV-SS

FLUIDS

UREA	WATER	DEF / ADBLUE	WINDSHIELD FLUID
			




ORDERING INFORMATION

CAT NR.	INLET	OUTLET
SWV/SS/HB/3-4/B	3/4" (20 mm) Hose Barb	3/4" BSPT (M)
SWV/SS/HB/3-4/N	3/4" (20 mm) Hose Barb	3/4" NPT (M)

38 Fuel Filters - Spin on Cartridge Style
FFS-10
FEATURES

FLOW RATE	MAX. WORKING PRESSURE
UPTO 94 LPM (25 GPM)	50 PSI (3.45 BAR)

FLUIDS

DIESEL	GASOLINE	GASOHOL
		

ORDERING INFORMATION

CAT NR.	FILTER ELEMENT	INLET/OUTLET
FUEL FILTER		
FFS/10/BSP	10 μ Filter	1" BSP (F)
FFS/10/N	10 μ Filter	1" NPT (F)
FFS/10WB/BSP	10 μ Water Block Filter	1" BSP (F)
FFS/10WB/N	10 μ Water Block Filter	1" NPT (F)
REPLACEMENT CARTRIDGE		
FF/FFS/10	10 μ Filter	
FF/FFS/10-WB	10 μ Water Block Filter	


FFS/10/N

FF/FFS/10

 1-1/2"-16
UNF threads

39 Filter Wrench
FW-FFL

 Wire through
hole for attaching
to fuel tank

 Wrench used for removing filter bowl
when changing filter element

 For use with GROZ FFL-01 & FFL-02
series fuel filters

ORDERING INFORMATION

CAT NR.
FW/FFL-02

40 Fuel Filters

FFL-01

FFL-01BD

FFL-02

FUEL FILTERS WITH SEE-THROUGH BOWL (FFL-01)

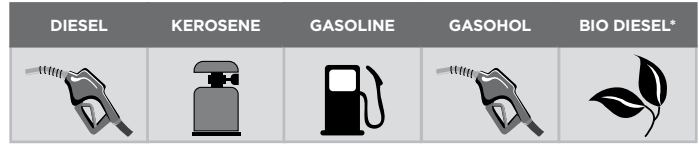


FF/FFL/10/ST
Replacement Filter Element & Seal kit



1-1/8" x 24 UNF

FLUIDS



*Blends upto 20%

ORDERING INFORMATION

CAT NR.	FILTER ELEMENT	INLET/OUTLET
FUEL FILTER		
FFL/01/BSP	10 μ filter	1" BSP (F)
FFL/01/N	10 μ filter	1" NPT (F)
FFL/01/WB/BSP	10 μ water block filter	1" BSP (F)
FFL/01/WB/N	10 μ water block filter	1" NPT (F)
REPLACEMENT FILTER ELEMENT		
FF/FFL/10/ST	10 μ filter	
FF/FFL/10-WB/ST	10 μ water block filter	
REPAIR PARTS		
SA/CON/FFL/01	Spare Filter Bowl	

FUEL FILTERS WITH SEE-THROUGH BOWL (FFL-01BD) FOR USE WITH UPTO 100% BIO-DIESEL

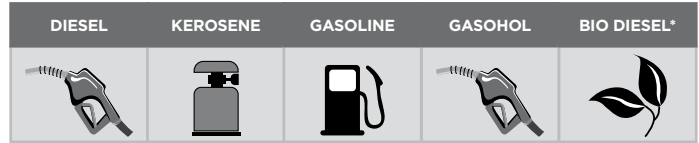


FF/FFL/10BD/ST
Replacement Filter Element & Viton Seal kit



1-1/8" x 24 UNF

FLUIDS



*Upto 100%

ORDERING INFORMATION

CAT NR.	FILTER ELEMENT	INLET/OUTLET
FUEL FILTER		
FFL/01BD/BSP	10 μ filter	1" BSP (F)
FFL/01BD/N	10 μ filter	1" NPT (F)
REPLACEMENT FILTER ELEMENT		
FF/FFL/10BD/ST	10 μ filter	
REPAIR PARTS		
SA/CON/FFL/01	Spare Filter Bowl	

FUEL FILTERS (FFL-02)

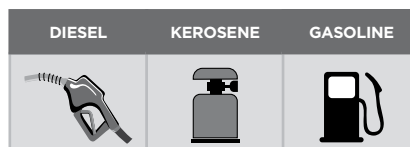


FF/FFL/10/ST
Replacement Filter Element & Seal Kit



1-1/8" x 24 UNF

FLUIDS



ORDERING INFORMATION

CAT NR.	FILTER ELEMENT	INLET/OUTLET
FUEL FILTER		
FFL/02/BSP	10 μ filter	1" BSP (F)
FFL/02/N	10 μ filter	1" NPT (F)
FFL/02/WB/BSP	10 μ water block filter	1" BSP (F)
FFL/02/WB/N	10 μ water block filter	1" NPT (F)
REPLACEMENT FILTER ELEMENT		
FF/FFL/10/ST	10 μ filter	
FF/FFL/10-WB/ST	10 μ water block filter	

41 Portable Fuel Filter
FUF-13
NEW!

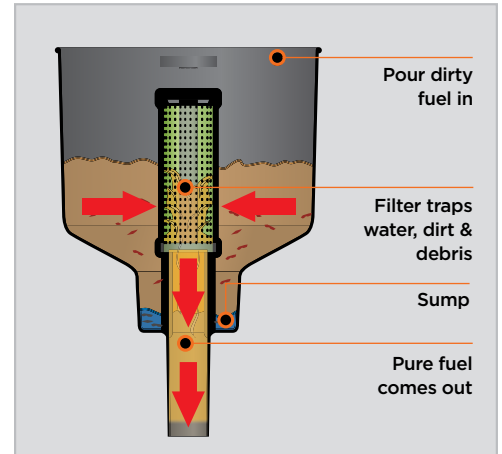
Filter designed to separate water & debris from various fuel types


FEATURES
FLOW RATE

UPTO
13 LPM
(3.45 GPM)

FLUIDS
DIESEL

KEROSENE

GASOLINE

ORDERING INFORMATION

CAT NR.
FUF/13

42 Fuel Vent Caps
FVC
NEW!

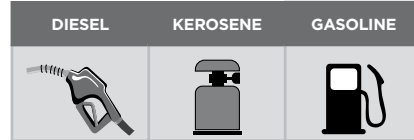

Pressure part of the cap opens at 2-1/2 PSI and venting part of the opens at 1-1/2 ounces while pump is in operation

ORDERING INFORMATION

CAT NR.	DESCRIPTION	THREADS
FVC/2	Fuel Vent Cap	-
FVC/2B	Fuel Vent Cap with 2" Base	2" (M)

43 Fuel Hose - Anti Static
ZSA-HOS


Conforms to EN 1360

FLUIDS

ORDERING INFORMATION

CAT NR.	LENGTH	INNER DIAMETER OF HOSE		THREADS
	(feet)	(inch)	(mm)	
ZSA/HOS/FPM/12	12	3/4	19	3/4" NPT (M)
ZSA/HOS/FPM/12-14	14	3/4	19	3/4" NPT (M)
ZSA/HOS/FPM/12-20	20	3/4	19	3/4" NPT (M)
ZSA/HOS/FPM/12/HF	12	1	25	1" NPT (M)
ZSA/HOS/FPM/12/HF-14	14	1	25	1" NPT (M)
ZSA/HOS/FPM/12/HF-20	20	1	25	1" NPT (M)

44 Fuel Dispensing Kits
FDK


Gravity feed dispensing kit includes 3m (10') long anti static hose fitted with manual fuel control nozzle with swivel

ORDERING INFORMATION

CAT NR.	HOSE INNER DIAMETER		THREADS
	(inch)	(mm)	
FDK/3/3-4/N	3/4	19	3/4" NPT (M)
FDK/3/0-1/N	1	25	1" NPT (M)

SCAN ME
TO VISIT
WEBSITE



1430
1527
1576



Groz Engineering Tools (P) Ltd.
Groz Net Industries

Village Kherki Daula, National Highway-8
Gurgaon-122001, Haryana, INDIA

TEL +91.124.282.7734 / 2827740 / 2827777
FAX +91.124.2827980 / 2827986
E-MAIL info@groz-tools.com
URL www.groz-tools.com

Whilst every effort has been made to ensure accuracy of information given in this catalogue at the time of going to print, Feb 2016, our policy of continuous improvement determines the right to change specifications without notice. Customers must ensure that goods are suitable for the purpose intended.



GROZ



IMPACT & RATCHET WRENCHES

Create an impact!

IMPACT WRENCHES

GROZ introduces professional range of Impact Wrenches for powerful, speedy and durable performance thereby improving productivity

Impact Wrenches are the most important tools in automotive and industrial applications. They are used for tightening and loosening of nuts & bolts in tyre removal, suspension, transmission, air conditioning, engine repair, body shop work, assembly lines as well as general plant maintenance

Mechanisms



JUMBO HAMMER MECHANISM

Simplest technology which produces high torque instantly for tough applications

TWIN HAMMER MECHANISM

Balanced & powerful mechanism comprising of two fully forged hammers that work alternatively. With lower air consumption & low reaction force the system builds up torque smoothly, to its maximum level

IMPROVED TWIN HAMMER MECHANISM

An advanced version of conventional twin hammer, this system is designed for higher torque & durability. The strong reinforced hammer frame can take higher impact for a longer time & larger anvil provides a large contact area. Gives 25% more torque compared to the twin hammer & enhances tool life by upto 3 times

PIN-LESS CLUTCH MECHANISM

High torque output with excellent power to weight ratio & fast run down for less frequent high torque applications

THE GROZ CLASSIFICATION



Robust & durable aluminium housing for demanding maintenance & production applications



Robust & durable aluminium housing with ergonomic TPR grip for convenience in use in demanding maintenance & production applications



Lightweight composite material construction with ergonomic TPR grip for ultimate convenience & fatigue free usage

Air Exhaust



FRONT EXHAUST

Air is blown forward towards the working area. This is normally found in the simpler design models



REAR EXHAUST

This is the most popular design. Air is discharged down the handle and blown away from the working area



SIDE EXHAUST

The air is discharged from the side of the tool

Handle Type



PISTOL TYPE



STRAIGHT D-HANDLE WITH INSIDE TRIGGER

IMPACT WRENCHES

Friction ring socket retainer for quick change of socket during use

Hammer mechanism

Powerful high torque air motor

Positive speed control regulator

Forward/reverse control

Light weight composite body

Trigger

Ergonomic TPR grip

Air inlet

Exhaust with muffler



01 3/8" Impact Wrench Standard

Robust & durable aluminium housing

Jumbo Hammer Impact mechanism for instant high torque output for tough applications

5 speed position control to adjust tool speed for varying applications; both in forward & reverse directions

Easy to use forward/reverse switch allows operator to change direction while using the tool

Rear handle exhaust with muffler directs air away from the job & operator, ensuring safety

Ideal for use in






- a. General repair, transmission work, exhaust systems and body shops for 2 & 3 wheelers
- b. Assembly lines for 2 wheeler & 3 wheeler
- c. Assembly & repair of 4 wheeler dashboards
- d. Assembly lines for white goods (fans, washing machines etc.)
- e. Manufacturing of pumps & compressors



FEATURES

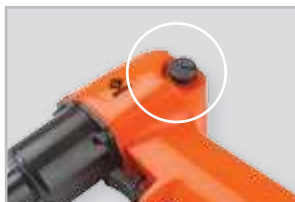
MAX TORQUE*	FREE SPEED	NET WEIGHT	AVG. AIR CONSUMPTION	ALUMINIUM BODY
360 Nm (266 ft-lb) <small>*@15 Sec.</small>	10,000 RPM	1.35 KG (2.98 LB)	2.5 CFM (71 LPM)	AI

APPLICATIONS

2 WHEELERS	3 WHEELERS	4 WHEELERS	INDUSTRIAL	WHITE GOODS
				



Rear exhaust



5 speed position control



Jumbo Hammer mechanism

ORDERING INFORMATION

CAT NR.	ORD NR.	FREE SPEED	MAX. TORQUE*		AIR INLET SIZE	AIR HOSE I.D.	AVG. AIR CONSUMPTION		OVERALL LENGTH		NET WEIGHT	
		(RPM)	(ft-lb)	(Nm)	(inch)	(inch)	(CFM)	(LPM)	(inch)	(mm)	(kg)	(lb)
IPW/3-8/STD	61910	10000	266	360	1/4	3/8	2.5	71	5.5	140	1.35	2.98

*@15 SEC

02

3/8" Impact Wrench PRO+ Series

Strong yet lightweight composite construction, evenly balanced design & compact profile makes the GROZ PRO+ Series impact wrenches ideal to get THE JOB DONE

Ergonomic TPR grip absorbs vibration & increases comfort

Twin Hammer impact mechanism delivers balanced blows

4 speed positive control to adjust tool speed for different applications in the forward direction

Full torque output in reverse direction

One hand forward-reverse control - finger tip slide for quick change


Rear handle exhaust with muffler directs air away from the job & operator, ensuring safety

Ideal for use in


- a. Tyre service & wheel alignment
- b. Continuous fastening task in assembly lines for 2 wheelers & 3 wheelers
- c. Assembly & repair of 4 wheeler dashboards
- d. Assembly lines for white goods (fans, washing machines etc)
- e. Manufacturing of industrial pumps & compressors



FEATURES

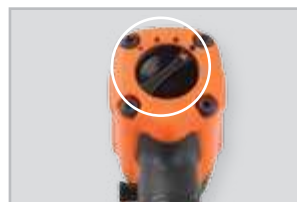
MAX TORQUE*	FREE SPEED	NET WEIGHT	AVG. AIR CONSUMPTION	COMPOSITE BODY
745 Nm (550 ft-lb) <small>*@15 SEC.</small>	13,500 RPM	1.23 KG (2.71 LB)	5.9 CFM (167 LPM)	

APPLICATIONS

2 WHEELERS	3 WHEELERS	4 WHEELERS	INDUSTRIAL	WHITE GOODS
				



Rear exhaust



4 speed positive control, full Power in reverse



Twin Hammer mechanism

ORDERING INFORMATION

CAT NR.	ORD NR.	FREE SPEED	MAX. TORQUE		AIR INLET SIZE	AIR HOSE I.D.	AVG. AIR CONSUMPTION		OVERALL LENGTH		NET WEIGHT	
		(RPM)	(ft-lb)	(Nm)	(inch)	(inch)	(CFM)	(LPM)	(inch)	(mm)	(kg)	(lb)
IPW/3-8/PRM	61911	13500	550	745	1/4	3/8	5.9	167	6	152	1.23	2.71

*@15 SEC

03

1/2" Impact Wrench Standard

Robust & durable aluminium housing

Twin Hammer impact mechanism delivers balanced blows

6 speed position control to adjust tool speed for varying applications; both in forward & reverse directions

Easy to use forward/reverse switch allows operator to change direction while using the tool.

Front handle exhaust

Ideal for use in

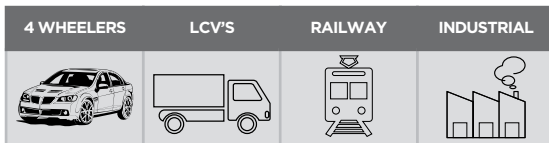
- General automotive repair & service centers for passenger vehicles
- Assembly lines for 4 wheeler & LCV's
- MRO jobs in railways
- Repair & maintenance of gear units & boxes
- Repair & maintenance of printing press machines
- Assembly lines for white goods (fans, washing machines etc)



FEATURES

MAX TORQUE*	FREE SPEED	NET WEIGHT	AVG. AIR CONSUMPTION	ALUMINIUM BODY
1223 Nm (902 ft-lb) <small>*@15 Sec.</small>	8,000 RPM	2.56 KG (5.64 LB)	4 CFM (113 LPM)	AI

APPLICATIONS



Front exhaust



6 speed position control



Twin Hammer mechanism

ORDERING INFORMATION

CAT NR.	ORD NR.	FREE SPEED	MAX. TORQUE		AIR INLET SIZE	AIR HOSE I.D.	AVG. AIR CONSUMPTION		OVERALL LENGTH		NET WEIGHT	
		(RPM)	(ft-lb)	(Nm)	(inch)	(inch)	(CFM)	(LPM)	(inch)	(mm)	(kg)	(lb)
IPW/1-2/STD	61920	8000	902	1223	1/4	3/8	4	113	6.7	171	2.56	5.64

*@15 SEC

04 1/2" Impact Wrench PRO Series

Robust & durable aluminium housing

Ergonomic TPR grip absorbs vibration & increases comfort

Twin Hammer impact mechanism delivers balanced blows

5 speed position control to adjust tool speed for varying applications both in forward & reverse

Easy to use forward/reverse switch allows operator to change direction while using the tool

Rear handle exhaust with muffler directs air away from the job & operator, ensuring safety

Ideal for use in

- a. General automotive repair & service centers for passenger vehicles
- b. Assembly lines for 4 wheeler & LCV's
- c. MRO jobs in railways
- d. Repair & maintenance of gear units & boxes
- e. Repair & maintenance of printing press machines
- f. Assembly lines for white goods (fans, washing machines etc.)







TPR Grip for convenience in use

FEATURES

MAX TORQUE*	FREE SPEED	NET WEIGHT	AVG. AIR CONSUMPTION	ALUMINIUM BODY
1223 Nm (902 ft-lb) <small>*@15 SEC</small>	8,000 RPM	2.7 KG (5.95 LB)	4 CFM (113 LPM)	AI

APPLICATIONS

4 WHEELERS	LCV'S	RAILWAY	INDUSTRIAL
			



Rear Exhaust



5 speed position control



Twin hammer mechanism

ORDERING INFORMATION

CAT NR.	ORD NR.	FREE SPEED	MAX. TORQUE		AIR INLET SIZE	AIR HOSE I.D.	AVG. AIR CONSUMPTION		OVERALL LENGTH		NET WEIGHT	
		(RPM)	(ft-lb)	(Nm)	(inch)	(inch)	(CFM)	(LPM)	(inch)	(mm)	(kg)	(lb)
IPW/1-2/PRO	61921	8000	902	1223	1/4	3/8	4	113	7.2	184	2.7	5.95

*@15 SEC

05

1/2" Impact Wrench PRO+Series

Strong yet lightweight composite material construction, evenly balanced design & compact profile make the GROZ PRO+ Series impact wrenches ideal to get THE JOB DONE

Ergonomic TPR grip absorbs vibration & increases comfort

Twin Hammer impact mechanism delivers balanced blows

4 speed positive control to adjust tool speed for different applications in the forward direction

Full torque output in reverse direction

One hand forward/reverse control - Finger tip slide for quick change


Rear handle exhaust with muffler directs air away from the job & operator, ensuring safety

Ideal for use in





- General automotive repair & service centers for passenger vehicles
- Assembly lines for 4 wheeler & LCV's
- MRO jobs in railways
- Repair & maintenance of gear units & boxes
- Repair & maintenance of printing press machines
- Assembly lines for white goods (fans, washing machines etc)



FEATURES

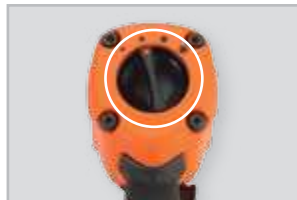
MAX TORQUE*	FREE SPEED	NET WEIGHT	AVG. AIR CONSUMPTION	COMPOSITE BODY
1492 Nm (1100 ft-lb)	8,500 RPM	1.9 KG (4.19 LB)	6.7 CFM (190 LPM)	

APPLICATIONS

4 WHEELERS	LCV'S	RAILWAY	INDUSTRIAL
			



Rear exhaust



4 speed positive control, full power in reverse



Twin Hammer mechanism

ORDERING INFORMATION

CAT NR.	ORD NR.	FREE SPEED	MAX. TORQUE		AIR INLET SIZE	AIR HOSE I.D.	AVG. AIR CONSUMPTION		OVERALL LENGTH		NET WEIGHT	
		(RPM)	(ft-lb)	(Nm)	(inch)	(inch)	(CFM)	(LPM)	(inch)	(mm)	(kg)	(lb)
IPW/1-2/PRM	61922	8500	1100	1492	1/4	3/8	6.7	190	7.2	184	1.9	4.19

*@15 SEC

Robust & durable aluminium housing

Improved Twin Hammer mechanism imparts high torque and durability

3 speed positive control to adjust tool speed for different applications in the forward direction

Full torque output in reverse direction

Easy to use forward/reverse knob allows operator to change direction while using the tool.

Rear handle exhaust with muffler directs air away from the job & operator, ensuring safety

Ideal for use in


- a. Tyre & engine assembly on trucks, buses, tractors etc.
- b. MRO jobs in oil & gas industry
- c. Assembly work for diesel & gas engines
- d. MRO jobs in paper processing plants



FEATURES

MAX TORQUE*	FREE SPEED	NET WEIGHT	AVG. AIR CONSUMPTION	ALUMINIUM BODY
2522 Nm (1860 ft-lb) <small>*@15 SEC.</small>	6,700 RPM	4.75 KG (10.47 LB)	7 CFM (198 LPM)	AI

APPLICATIONS

HCV'S	LCV'S	RAILWAY	INDUSTRIAL	AGRICULTURE	OIL & GAS
					



Rear Exhaust



3 speed positive control, full power in reverse



Improved Twin Hammer mechanism

ORDERING INFORMATION

CAT NR.	ORD NR.	FREE SPEED	MAX. TORQUE		AIR INLET SIZE	AIR HOSE I.D.	AVG. AIR CONSUMPTION		OVERALL LENGTH		NET WEIGHT	
		(RPM)	(ft-lb)	(Nm)	(inch)	(inch)	(CFM)	(LPM)	(inch)	(mm)	(kg)	(lb)
IPW/3-4/STD	61930	6700	1860	2522	1/4	3/8	7	198	9.2	234	4.75	10.47

*@15 SEC

07

1" Impact Wrench Standard

Most powerful 1" wrench for heavy duty applications

Designed for exceptional power, durability & operators convenience

Robust & durable aluminium housing

Pin-less clutch mechanism for very high torque output

D handle with inside trigger

3 speed position power control to adjust tools speed both in forward & reverse direction

Easy to use forward/reverse switch allows operator to change direction while using the tool.

Side handle exhaust for safe usage

Ideal for use with:

- a. Truck garages, construction & mining equipment where huge impact power is required
- b. Erection & commissioning of heavy equipment in power plants, sugar mill, cement plants & steel mills
- c. MRO jobs in shipping Wards
- d. Routine maintenance of wind mills



FEATURES

MAX TORQUE*	FREE SPEED	NET WEIGHT	AVG. AIR CONSUMPTION	ALUMINIUM BODY
2522 Nm (1860 ft-lb) <small>@15 Sec.</small>	4,000 RPM	12.06 KG (26.59 LB)	8.4 CFM (238 LPM)	AI

APPLICATIONS

HCV'S	RAILWAY	INDUSTRIAL	OIL & GAS
			



Side exhaust



3 speed position control



Pin-Less Clutch mechanism

ORDERING INFORMATION

CAT NR.	ORD NR.	FREE SPEED	MAX. TORQUE @15 SEC		AIR INLET SIZE	AIR HOSE I.D.	AVG. AIR CONSUMPTION		OVERALL LENGTH		NET WEIGHT	
		(RPM)	(ft-lb)	(Nm)	(inch)	(inch)	(CFM)	(LPM)	(inch)	(mm)	(kg)	(lb)
IPW/0-1/STD	61940	4000	1860	2522	1/2	3/4	8.4	238	20.3	515	12.06	26.59

*@15 SEC

RATCHET WRENCHES



forward/
reverse control
changeover
switch

Robust &
durable
aluminum
housing

Throttle lever
design for
easy speed
control

Air inlet



08

3/8" Ratchet Wrench Standard

Robust & durable aluminium housing

Heat treated ratchet head design provides longer life

Chrome Molybdenum anvil guarantees high performance in the toughest applications

Optimized gear ratio and air flow for reliable performance

Easy to use forward/reverse control

Throttle lever design for easy speed control

Compact and light weight, ideal for use in confined work spaces




Excellent for body shop repair jobs and light duty work under the dashboard



FEATURES

MAX TORQUE	FREE SPEED	NET WEIGHT	AVG. AIR CONSUMPTION	ALUMINIUM BODY
68 Nm (50 ft-lb)	150 RPM	1.17 KG (2.58 LB)	6 CFM (170 LPM)	AI

APPLICATIONS

2 WHEELERS	3 WHEELERS	4 WHEELERS	LCV'S	WHITE GOODS
				

ORDERING INFORMATION

CAT NR.	ORD NR.	FREE SPEED	MAX. TORQUE		AIR INLET SIZE	AIR HOSE I.D.	AVG. AIR CONSUMPTION		OVERALL LENGTH		NET WEIGHT	
		(RPM)	(ft-lb)	(Nm)	(inch)	(inch)	(CFM)	(LPM)	(inch)	(mm)	(kg)	(lb)
RTW/3-8/STD	61965	150	50	68	1/4	3/8	6	170	10.5	267	1.17	2.58

09 1/2" Ratchet Wrench Standard

Robust & durable aluminium housing

Heat treated ratchet head design provides longer life

Chrome Molybdenum anvil guarantees high performance in the toughest of applications

Optimized gear ratio and air flow for reliable performance

Easy to use forward/reverse control

Throttle lever design for easy speed control

Compact and light weight, ideal for use in confined work spaces

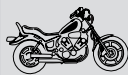



Excellent for body shop repair jobs and light duty work under the dashboard



FEATURES

MAX TORQUE	FREE SPEED	NET WEIGHT	AVG. AIR CONSUMPTION	ALUMINIUM BODY
68 Nm (50 ft-lb)	150 RPM	1.17 KG (2.58 LB)	6 CFM (170 LPM)	AI

APPLICATIONS

2 WHEELERS	3 WHEELERS	4 WHEELERS	LCV'S	WHITE GOODS
				

ORDERING INFORMATION

CAT NR.	ORD NR.	FREE SPEED	MAX. TORQUE		AIR INLET SIZE	AIR HOSE I.D.	AVG. AIR CONSUMPTION		OVERALL LENGTH		NET WEIGHT	
		(RPM)	(ft-lb)	(Nm)	(inch)	(inch)	(CFM)	(LPM)	(inch)	(mm)	(kg)	(lb)
RTW/1-2/STD	61970	150	50	68	1/4	3/8	6	170	10.5	267	1.17	2.58

NOTES



A series of horizontal dashed lines spanning the width of the page, intended for writing notes.



Groz Engineering Tools (P) Ltd.
Groz Net Industries

Village Kherki Daula, National Highway-8
Gurgaon-122001, Haryana, INDIA

TEL +91.124.282.7734 / 2827740 / 2827777
FAX +91.124.2827980 / 2827986
E-MAIL info@groz-tools.com
URL www.groz-tools.com

Whilst every effort has been made to ensure accuracy of information given in this catalogue at the time of going to print, Nov 2016, our policy of continuous improvement determines the right to change specifications without notice. Customers must ensure that goods are suitable for the purpose intended.



TOOLS & EQUIPMENT

The World trusts.

Village Kherki Daula, National Highway-8
Gurgaon-122001, Haryana, INDIA

TEL +91.124.282.7700 / 221.4050
FAX +91.124.2827986 / 2214224
FAX(USA) +1.509.271.7848
FAX(UK) +44.870.121.1854
E-MAIL info@groz-tools.com
URL www.groz-tools.com

Whilst every effort has been made to ensure accuracy of information given in this catalogue at the time of going to print, Feb 2016, our policy of continuous improvement determines the right to change specifications without notice. Customers must ensure that goods are suitable for the purpose intended.

CAT MINI 210

01

Handled Prybars

HPR

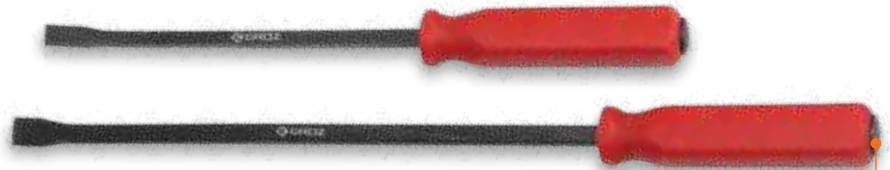
Heavy duty handled prybars manufactured using square section steel for heavy prying applications in automotive

Metal striking cap allows hammering without any damage to the handle

Black oxide finish for rust resistance

Composite material handle made of LDPE & EVA provides durability, comfort & reduces fatigue.

Blades runs through the handle and forms an end cap to provide a solid striking surface



Metal Striking Cap



ORDERING INFORMATION

CAT. NR.	ORD NR.	LENGTH		SECTION	
		(inch)	(mm)	(inch)	(mm)
HPR/8	33120	8	200	1/4	6
HPR/12	33121	12	300	7/16	11
HPR/18	33122	18	450	7/16	11
HPR/24	33123	24	600	1/2	13
HPR/32	33124	32	800	1/2	13
HPR/36	33125	36	900	5/8	16

FEATURES

MATERIAL	FORGED CONSTRUCTION	HEAT TREATED	HARDNESS
CHROME STEEL			38-43 HRC

CAT. NR.	ORD NR.	DESCRIPTION
SETS		
HPR/3/ST	33130	3 Pc Set: 12", 18", 24"
HPR/4/ST	33131	4 Pc Set: 8", 12", 18", 24"
HPR/4A/ST	33132	4 Pc Set: 12", 18", 24", 32"
HPR/6/ST	33133	6 Pc Set: 8", 12", 18", 24", 32" & 36"

02

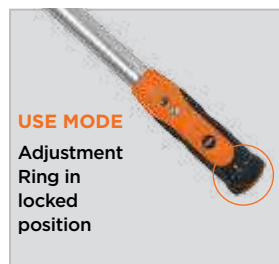
Professional Ratcheting Torque Wrenches

TQW-RT

High accuracy torque wrench, with unmatched, safety & ergonomics

48 teeth ratchet allows for an engagement angle of 7-1/2° which is ideal; providing both precise adjustment & non slip use

Chrome molybdenum steel square drive



FEATURES

ACCURACY
± 4% OF READING

ORDERING INFORMATION

CAT NR.	ORD NR.	SQUARE DRIVE	TORQUE RANGE	FINE SCALE	OVERALL LENGTH		NET WEIGHT
		(inch)	(Nm)	(Nm)	(inch)	(mm)	
TQW/RT/3-8/25	38905	3/8	5 - 25	0.1	12.7	323	0.765
TQW/RT/3-8/50	38906	3/8	10 - 50	0.5	15.7	400	0.983
TQW/RT/1-2/100	38910	1/2	20 - 100	0.5	15.7	400	0.998
TQW/RT/1-2/200	38911	1/2	40 - 200	0.5	20.4	517	1.36
TQW/RT/1-2/340	38912	1/2	60 - 340	1	24.4	620	1.73
TQW/RT/3-4/750	38922	3/4	150 - 750	2.5	47.6	1210	5.85
TQW/RT/0-1/1000	38926	1	200 - 1000	2.5	59.0	1500	7.43
D10	00509	Torque wrench merchandiser stand (Torque wrench not included)					



03

Insulation Pliers

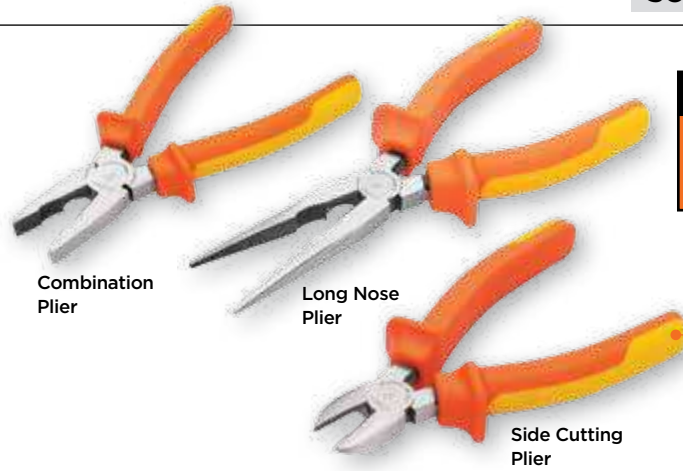
CPL

LNP

SCP

ORDERING INFORMATION

CAT NR.	ORD NR.	LENGTH	
		(inch)	(mm)
COMBINATION PLIERS			
CPL/CV/6	31530	6	150
CPL/CV/7	31531	7	175
CPL/CV/8	31532	8	200
LONG NOSE PLIERS			
LNP/CV/6	31540	6	150
LNP/CV/7	31541	7	175
LNP/CV/8	31542	8	200
SIDE CUTTING PLIERS			
SCP/CV/6	31550	6	150
SCP/CV/7	31551	7	175
PLIER SETS			
PLR/CV/ST3	31570	includes 8" Combination Plier, 7" Long Nose Plier & 7" Side Cutting Plier	
PLR/CV/ST3A	31571	includes 8" Combination Plier, 6" Long Nose Plier & 6" Side Cutting Plier	



Rugged & wear resistant TPR grip

FEATURES

CHROME VANADIUM	FORGED CONSTRUCTION	HARDNESS	INDUCTION HARDENED CUTTING EDGE
		35-50 HRC	52-60 HRC

APPLICATION

SUITABLE FOR CUTTING WIRES		
SOFT	MEDIUM HARD	HARD

Tested in accordance with VDE standards & insulated to 1000V AC for live wire working

04

Circlip Pliers

CLP

Precise & solid contact tips prevent circlip damage

Soft cushion grip for comfort in usage

Fully hardened & tempered

FEATURES

CHROME VANADIUM	HARDNESS
	40-45 HRC

ORDERING INFORMATION

CAT NR.	ORD NR.	DESCRIPTION	LENGTH	
			(inch)	(mm)
CLP/ST/E/150	31563	External Straight	6	150
CLP/ST/I/150	31564	Internal Straight	6	150
CLP/BND/E/150	31565	External Bent	6	150
CLP/BND/I/150	31566	Internal Bent	6	150



05

Retra Knife

KNV

Heavy duty retractable knife for continuous, non-stop usage

Rugged zinc alloy body

Fastest blade change

6 blades included with each knife suitable for cutting plastic, rubber, wood, gaskets, cardboard, fibre etc.



Quick release button to change blades

Thumb groove for greater control

Ergonomic TPR handle for comfort

Blade storage compartment can hold upto 6 heavy duty blades

Switch to close the knife

Squeeze lever to load blades

FEATURES

OVERALL LENGTH	BLADE THICKNESS	BLADE MATERIAL
6-3/4" (170 MM)	0.02" (0.6 MM)	SK2

ORDERING INFORMATION

CAT NR.	ORD NR.	DESCRIPTION
KNV/R/6	61500	Knife
SPARE BLADES		
BLD/KNV/R/ST12	61510	Set of 12 spare blades



Squeeze lever to load blade



When blunt, simply pull out blade, invert it & re-install



Quick release button to slide out used blade



Storage compartment for storing 6 spare blades



Squeeze lever again to load new blade

06

Bi - Metal Hacksaw Blades

HB-BM

HB-BC

Shatter-proof bi-metal blades for superior cutting performance, wear resistance & safety.



Bimetal HSS Hacksaw Blades



Bimetal 8% Cobalt HSS Hacksaw Blades

FEATURES

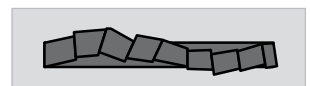
BLADE WIDTH	BLADE THICKNESS
1/2" (12.5 MM)	0.025" (0.63 MM)

ORDERING INFORMATION

CAT NR.	ORD NR.	CAT NR.	ORD NR.	LENGTH (CENTRE TO CENTRE)		TPI
				(inch)	(mm)	
BIMETAL - HSS		BIMETAL 8% COBALT - HSS				
HB/BM/10/14	30400	HB/BC/10/14	30450	10	250	14
HB/BM/10/18	30401	HB/BC/10/18	30451	10	250	18
HB/BM/10/24	30402	HB/BC/10/24	30452	10	250	24
HB/BM/10/32	30403	HB/BC/10/32	30453	10	250	32
HB/BM/12/14	30420	HB/BC/12/14	30470	12	300	14
HB/BM/12/18	30421	HB/BC/12/18	30471	12	300	18
HB/BM/12/24	30422	HB/BC/12/24	30472	12	300	24
HB/BM/12/32	30423	HB/BC/12/32	30473	12	300	32



Flexible, shatter proof blades - for quick, clean & safe usage even on tough materials



Wavy Teeth Pattern with 6 teeth chip removal cycle

07

Grommet Kit

GRMT

Grommet/Eyelits are used to repair canvas, tarpaulins, tents, awnings, sailcloth, lawn furniture, pool covers etc

Grommet kit includes popular grommet sizes & tools to install

Constituents as below:

1. Setting Tool with threaded inserts for 3/8" & 1/2" grommets
2. Double sided Steel Anvil for 3/8" & 1/2"
3. Hole Punch for 3/8"
4. Hole Punch for 1/2"
5. Wooden Backer Block
6. Six Solid Brass Grommets & Washers for 3/8"
7. Six Solid Brass Grommets & Washers for 1/2"
8. Plastic case to hold all above



ORDERING INFORMATION

CAT NR.	ORD NR.
GRMT/KIT/38-12	26610

08

Measuring Wheel

MWL

Perfect for almost any outdoor use like in real estate, landscaping, municipal & construction

Strong yet light weight aluminium handle and wheel for easy operation

Accurately measures on a wide variety of terrain including paved and unpaved surfaces

Adjustable height with 3 section telescopic and snap lock handle

Comes with built-in fold down kick stand

12" rubber coated wheel for smooth operation

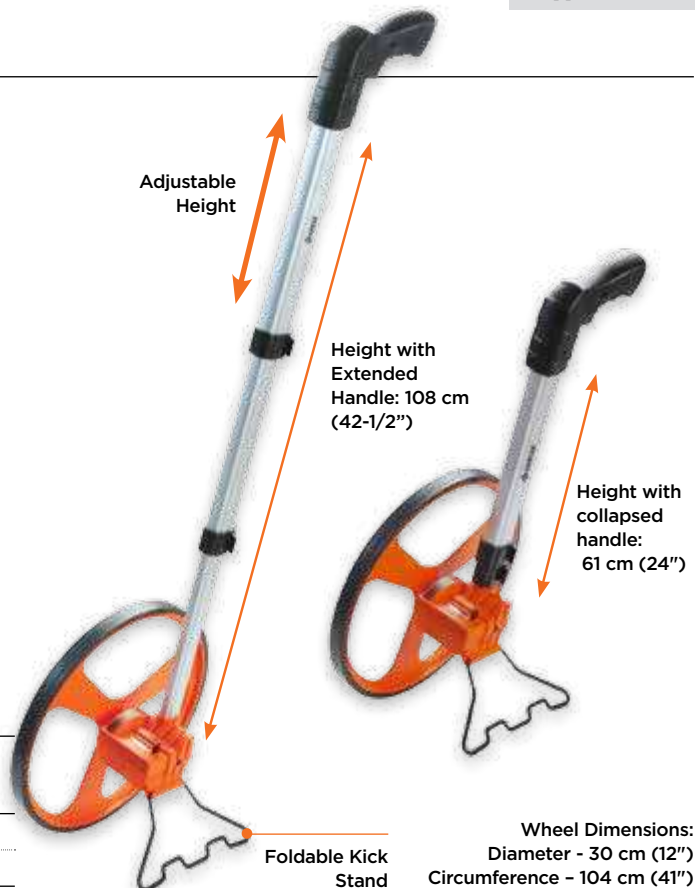
FEATURES

ACCURACY

± 10 CM PER 90 M /
± 1" PER 100 FT

ORDERING INFORMATION

CAT. NR.	ORD NR.	WHEEL SIZE		MEASURING RANGE	LEAST COUNT
		(inch)	(cm)		
MWL/1/M	01360	12	30	Upto 9999.9 meter	1 dm
MWL/1/F	01361	12	30	Upto 9999.9 feet	1"



09

Digital Sliding T-Bevels

AB-8

Multi-purpose tool combination of a traditional sliding T-bevel, miter angle divider and a digital protractor

Ideal for measuring, transferring and storing inside/outside angle measurements when doing fine carpentry, making miter joints, installing tiles etc.

Available with aluminium or ABS housing

Large LCD digital readout with auto shut-off feature

8" (200 mm) stainless steel blade

6 function controls: ON/OFF, Zero, reverse angle, hold measurements, flip display and miter angle divider

Miter-angle divider function provides half the measured angle for miter cuts

Range: 0° to 360°



Aluminium Body

ABS Body

ORDERING INFORMATION

CAT NR.	ORD NR.	HOUSING MATERIAL
AB/8P	39408	ABS
AB/8A	39409	Aluminium

FEATURES

ACCURACY	RESOLUTION	POWER SOURCE
± 0.3°	0.05°	CR2032 3V Li-ion BATTERY (INCLUDED)

10

Digital Angle Finder

DAG

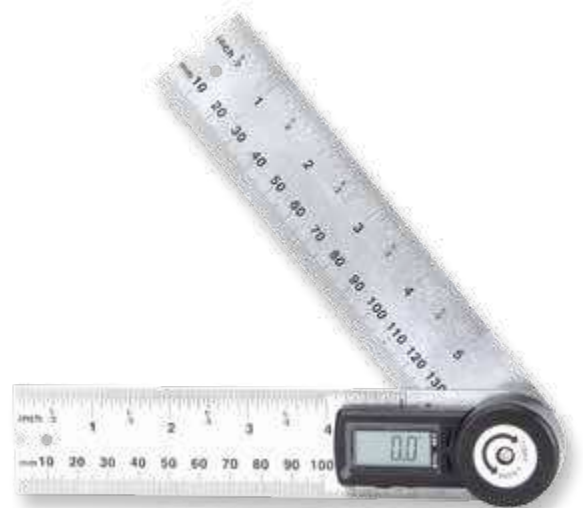
Digital stainless steel angle rule makes precise measurements for easy calculation of interior (inside) and exterior (outside) angles

Lock and reverse angle features

Large easy to read LCD screen with unique hinge mechanism allows a full 360° swing to measure inside/outside and reverse angles

Can be zeroed at any point in the swing

Range: 0° to 360°



ORDERING INFORMATION

CAT NR.	ORD NR.	SIZE	
		(inch)	(mm)
DAG/5	01270	5	125
DAG/10	01271	10	250

FEATURES

ACCURACY	RESOLUTION	POWER SOURCE
± 0.3°	0.1°	CR2032 3V Li-ion BATTERY (INCLUDED)

An easy to use tool for measuring, marking, reading and transferring angles

The digital protractor displays absolute and relative angle measurements in a large easy-to-read LCD window

150 mm (6") long stainless steel protractor arm with knurled locking nut

4" (100 mm) stainless steel ruler for measuring in inches & mm

For user convenience & comfort the display offers a "hold" function and is easily inverted or flipped 180° for reading upside down

Range: 0° to 180°

Useful for professionals in woodworking, automotive, industrial, aerospace and medical applications



FEATURES

ACCURACY	RESOLUTION
± 0.1°	0.05°
POWER SOURCE	
CR2032 3V Li-ion BATTERY (INCLUDED)	



Resolution: 0.05°



Inverted Display

ORDERING INFORMATION

CAT NR.	ORD NR.	SIZE	
		(inch)	(mm)
DGP/6	01219	6	150

12

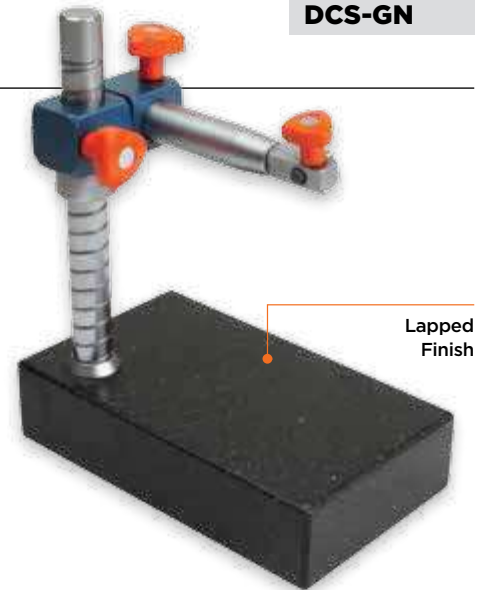
Granite Comparator Stands

DCS-GN

Amongst the most accurate inspection tool for checking roundness, diameters, lengths, steps, flatness, angles and parallelism

Granite offers flattest surface free from burrs, rust, temperature variation & deterioration over time thus providing better accuracy than steel comparator stands

Comparators are fitted with steel post and indicator holder. Designed for movement both in horizontal & vertical axis



ORDERING INFORMATION

CAT NR.	ORD NR.	BASE DIMENSION		MEASURING RANGE		ACCURACY (UNILATERAL FLATNESS)		TOTAL HEIGHT	
		(inch)	(mm)	(inch)	(mm)	(inch)	(mm)	(inch)	(mm)
DCS/GN/6-4	01640	6 X 4 X 2	150 X 100 X 50	0 - 4	0 - 100	0.00011	0.003	8.4	210
DCS/GN/6-6	01641	6 X 6 X 2	150 x 150 x 50	0 - 4	0 - 100	0.00011	0.003	10	250
DCS/GN/10-6	01642	10 X 6 X 2	250 X 150 X 50	0 - 6	0 - 150	0.00015	0.004	10	250
DCS/GN/12-8	01643	12 X 8 X 2	300 X 200 X 50	0 - 8	0 - 200	0.00015	0.004	12.8	320
DCS/GN/12-12	01644	12 X 12 X 2	300 X 300 X 50	0 - 10	0 - 250	0.00015	0.004	12.8	320

13

Granite Mini Bench Centre

BCN-GN

Enables quick and precise inspection of jobs, ideally suited in machine shops, tool rooms and standard rooms for checking various parameters like concentricity, face/radial run-out, true running, etc. of mainly cylindrical jobs

Granite base offers flattest surface free from burrs, rust, temperature variation & deterioration over time, thus providing better accuracy than steel bench centres



SPECIFICATIONS

BASE DIMENSIONS (LENGTH X WIDTH)	15" x 8" (375 mm x 200 mm)
MAX. JOB SIZE THAT CAN BE HELD BETWEEN CENTRES (LENGTH X DIAMETER)	6" x 3" (150 mm x 75 mm)
FLATNESS OF BASE	Within 0.0002" (5 Microns)
COCENTRICITY	Within 0.0002" (5 Microns)
PARALLELISM OF BASE W.R.T CENTRES	Within 0.0004" (10 Microns)
WEIGHT	Approx. 28 kg (62 lbs.)

ORDERING INFORMATION

CAT NR.	ORD NR.
BCN/GN/150	01670

14

Granite Surface Plates

SFP-GN

Granite surface plates are used for precision gauging, inspection, layout and marking purposes

Plates are produced to meet DIN 876, Grade 0

Standard range listed below. Alternate sizes can be custom manufactured

Each plate comes with calibration certificate

Granite surface plates are preferred by precision tool rooms, engineering industries and research laboratories because of their outstanding advantages over steel: no rust, relatively warp-free, no compensation hump when nicked, longer wear, smoother action, greater precision, non-magnetic, less care after commissioning, lower coefficient of thermal expansion and non-glaring surface



ORDERING INFORMATION

CAT NR.	ORD NR.	DIMENSION		ACCURACY (UNILATERAL FLATNESS)		WEIGHT	
		(inch)	(mm)	(inch)	(mm)	(kg)	(lbs)
SFP/GN/300-300-50	02620	12 X 12 X 2	300 X 300 X 50	0.00014	0.0035	13.5	30
SFP/GN/400-400-63	02621	16 X 16 X 2.5	400 X 400 X 63	0.00018	0.0045	30	66
SFP/GN/450-450-63	02622	18 X 18 X 2.5	450 X 450 X 63	0.00018	0.0045	38	84
SFP/GN/630-400-80	02623	25 X 16 X 3.2	630 X 400 X 80	0.0002	0.005	80	176
SFP/GN/630-630-80	02624	25 X 25 X 3.2	630 X 630 X 80	0.0002	0.005	95	209
SFP/GN/1000-630-150	02625	40 X 25 X 6	1000 X 630 X 150	0.00024	0.006	300	660
SFP/GN/1000-1000-150	02626	40 X 40 X 6	1000 X 1000 X 150	0.00028	0.007	450	990

15

Granite Cube with Vee Groove

CUBE-GN

The cube is widely used in quality, inspection, maintenance, calibration and assembling areas for inspecting and calibrating horizontal or vertical positions.

Granite cubes are also used in machine alignment checking and component inspection. The cubes can be used to accurately measure the straightness, squareness and parallelism of 3 axis of any machine including co-ordinate measuring machines

Granite offer surface free from burrs, rust, temperature variation & deterioration over time

All faces are precisely lapped

Vee groove in the block provides a location for cylindrical work pieces to sit in squarely & accurately with high repeatability

Through hole is provided to reduce overall weight



ORDERING INFORMATION

CAT NR.	ORD NR.	DIMENSION		ACCURACY (FLATNESS)		ACCURACY (PARALLELISM)		ACCURACY (SQUARENESS)	
		(inch)	(mm)	(inch)	(mm)	(inch)	(mm)	(inch)	(mm)
CUBE/GN/4	01660	4 X 4 X 4	100 X 100 X 100	0.0002	0.005	0.0002	0.005	0.00024	0.006
CUBE/GN/6	01661	6 X 6 X 6	150 X 150 X 150	0.0002	0.005	0.0002	0.005	0.00024	0.006
CUBE/GN/8	01662	8 X 8 X 8	200 X 200 X 200	0.0002	0.005	0.0004	0.010	0.0004	0.010
CUBE/GN/10	01663	10 X 10 X 10	250 X 250 X 250	0.0002	0.005	0.0004	0.010	0.0004	0.010

Economical range of master setting ring gauges, ideal for setting rings for dial bore gauges, groove gauges, air gauges, inside micrometers, vernier callipers etc.

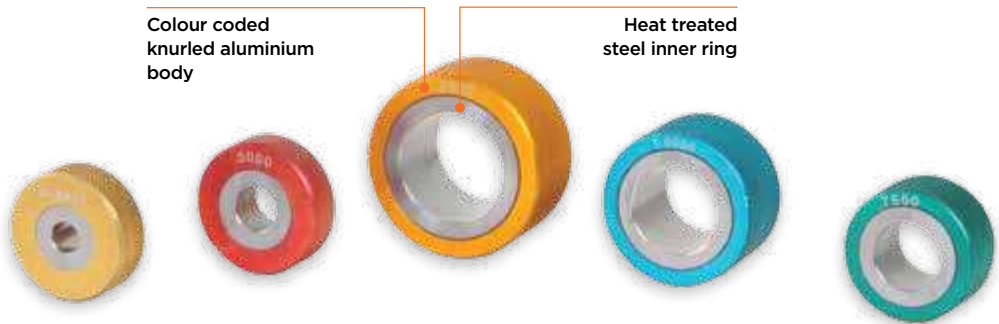
Colour coded knurled aluminium body with heat treated steel (58 to 60 HRC) inner ring for increased life

Available in

1. Inch sizes from 1/4" to 2" in increments of 1/32"
2. In Metric Sizes from 6 mm to 10 mm in increments of 1 mm & from 10mm to 50 mm in increments of 5 mm
3. Also available inch sets, each including a range of gauges

Colour coded knurled aluminium body

Heat treated steel inner ring



ORDERING INFORMATION

CAT NR.	ORD NR.	RING I.D.	RING O.D.	RING TH.	COLOUR	ACCURACY
		(inch)	(inch)	(inch)		(inch)
MASTER RING GAUGES - INCH SIZES (GOLD)						
MRG/1-4	02700	1/4	1-1/2	1/2	Gold	± 0.0001
MRG/9-32	02701	9/32	1-1/2	1/2	Gold	± 0.0001
MRG/5-16	02702	5/16	1-1/2	1/2	Gold	± 0.0001
MRG/11-32	02703	11/32	1-1/2	1/2	Gold	± 0.0001
MRG/3-8	02704	3/8	1-1/2	1/2	Gold	± 0.0001
MRG/13-32	02705	13/32	1-1/2	1/2	Gold	± 0.0001
MRG/7-16	02706	7/16	1-1/2	1/2	Gold	± 0.0001
MRG/15-32	02707	15/32	1-1/2	1/2	Gold	± 0.0001
MRG/1-2	02708	1/2	1-1/2	1/2	Gold	± 0.0001
MASTER RING GAUGES - INCH SIZES (GREEN)						
MRG/17-32	02709	17/32	1-1/2	3/4	Green	± 0.0001
MRG/9-16	02710	9/16	1-1/2	3/4	Green	± 0.0001
MRG/19-32	02711	19/32	1-1/2	3/4	Green	± 0.0001
MRG/5-8	02712	5/8	1-1/2	3/4	Green	± 0.0001
MRG/21-32	02713	21-32	1-1/2	3/4	Green	± 0.0001
MRG/11-16	02714	11/16	1-1/2	3/4	Green	± 0.0001
MRG/23-32	02715	23/32	1-1/2	3/4	Green	± 0.0001
MRG/3-4	02716	3/4	1-1/2	3/4	Green	± 0.0001
MASTER RING GAUGES - INCH SIZES (BLUE)						
MRG/25-32	02717	25/32	1-3/4	1	Blue	± 0.0001
MRG/13-16	02718	13/16	1-3/4	1	Blue	± 0.0001
MRG/27-32	02719	27/32	1-3/4	1	Blue	± 0.00012
MRG/7-8	02720	7/8	1-3/4	1	Blue	± 0.00012
MRG/29-32	02721	29/32	1-3/4	1	Blue	± 0.00012
MRG/15-16	02722	15/16	1-3/4	1	Blue	± 0.00012
MRG/31-32	02723	31/32	1-3/4	1	Blue	± 0.00012
MRG/0-1	02724	1	1-3/4	1	Blue	± 0.00012

CAT NR.	ORD NR.	RING I.D.	RING O.D.	RING TH.	COLOUR	ACCURACY
		(inch)	(inch)	(inch)		(inch)
MASTER RING GAUGES - INCH SIZES (RED)						
MRG/1-1-32	02725	1-1/32	2-1/8	1	Red	± 0.00012
MRG/1-1-16	02726	1-1/16	2-1/8	1	Red	± 0.00012
MRG/1-3-32	02727	1-3/32	2-1/8	1	Red	± 0.00012
MRG/1-1-8	02728	1-1/8	2-1/8	1	Red	± 0.00012
MRG/1-5-32	02729	1-5/32	2-1/8	1	Red	± 0.00012
MRG/1-3-16	02730	1-3/16	2-1/8	1	Red	± 0.00012
MRG/1-7-32	02731	1-7/32	2-1/8	1	Red	± 0.00012
MRG/1-1-4	02732	1-1/4	2-1/8	1	Red	± 0.00012
MASTER RING GAUGES - INCH SIZES (YELLOW)						
MRG/1-9-32	02733	1-9/32	2-3/4	1	Yellow	± 0.00012
MRG/1-5-16	02734	1-5/16	2-3/4	1	Yellow	± 0.00012
MRG/1-11-32	02735	1-11/32	2-3/4	1	Yellow	± 0.00012
MRG/1-3-8	02736	1-3/8	2-3/4	1	Yellow	± 0.00012
MRG/1-13-32	02737	1-13/32	2-3/4	1	Yellow	± 0.00012
MRG/1-7-16	02738	1-7/16	2-3/4	1	Yellow	± 0.00012
MRG/1-15-32	02739	1-15/32	2-3/4	1	Yellow	± 0.00012
MRG/1-1-2	02740	1-1/2	2-3/4	1	Yellow	± 0.00012
MASTER RING GAUGES - INCH SIZES (SILVER)						
MRG/1-17-32	02741	1-17/32	2-3/4	1	Silver	± 0.00016
MRG/1-9-16	02742	1-9/16	2-3/4	1	Silver	± 0.00016
MRG/1-19-32	02743	1-19/32	2-3/4	1	Silver	± 0.00016
MRG/1-5-8	02744	1-5/8	2-3/4	1	Silver	± 0.00016
MRG/1-21-32	02745	1-21/32	2-3/4	1	Silver	± 0.00016
MRG/1-11-16	02746	1-11/16	2-3/4	1	Silver	± 0.00016
MRG/1-23-32	02747	1-23/32	2-3/4	1	Silver	± 0.00016
MRG/1-3-4	02748	1-3/4	2-3/4	1	Silver	± 0.00016
MASTER RING GAUGES - INCH SIZES (BLACK)						
MRG/1-25-32	02749	1-25/32	3-1/4	1	Black	± 0.00016
MRG/1-13-16	02750	1-13/16	3-1/4	1	Black	± 0.00016
MRG/1-27-32	02751	1-27/32	3-1/4	1	Black	± 0.00016
MRG/1-7-8	02752	1-7/8	3-1/4	1	Black	± 0.00016
MRG/1-29-32	02753	1-29/32	3-1/4	1	Black	± 0.00016
MRG/1-15-16	02754	1-15/16	3-1/4	1	Black	± 0.00016
MRG/1-31-32	02755	1-31/32	3-1/4	1	Black	± 0.00016
MRG/0-2	02756	2	3-1/4	1	Black	± 0.00016

COLOUR CODED SIZES



GOLD



RED



BLUE



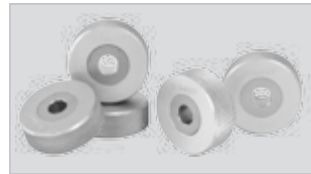
BLACK



YELLOW



GREEN



SILVER

ORDERING INFORMATION

CAT NR.	ORD NR.	RING I.D.	RING O.D.	RING THICKNESS	COLOUR	ACCURACY	
		(mm)	(mm)	(mm)		(microns)	
MASTER RING GAUGES - METRIC SIZES							
MRG/6MM	02760	6	38	13	Gold	± 2.5	
MRG/7MM	02761	7	38	13	Gold	± 2.5	
MRG/8MM	02762	8	38	13	Gold	± 2.5	
MRG/9MM	02763	9	38	13	Gold	± 2.5	
MRG/10MM	02764	10	38	13	Gold	± 2.5	
MRG/15MM	02765	15	38	19	Green	± 2.5	
MRG/20MM	02766	20	44	25	Blue	± 2.5	
MRG/25MM	02767	25	44	25	Blue	± 3	
MRG/30MM	02768	30	54	25	Red	± 3	
MRG/35MM	02769	35	70	25	Yellow	± 3	
MRG/40MM	02770	40	70	25	Silver	± 4	
MRG/45MM	02771	45	82	25	Black	± 4	
MRG/50MM	02772	50	82	25	Black	± 4	
CAT NR.	ORD NR.	DESCRIPTION			RING O.D.	RING THICKNESS	COLOUR
					(inch)	(inch)	
SETS - INCH SIZES							
MRG/1-4/1-2/ST9	02790	9 Gold Rings from 1/4" - 1/2"			1-1/2	1/2	Gold
MRG/17-32/3-4/ST8	02791	8 Green Rings from 17/32" - 3/4"			1-1/2	3/4	Green
MRG/25-32/0-1/ST8	02792	8 Blue Rings from 25/32" - 1"			1-3/4	1	Blue
MRG/1-1-32/1-1-4/ST8	02793	8 Red Rings from 1-1/32" - 1-1/4"			2-1/8	1	Red
MRG/1-9-32/1-1-2/ST8	02794	8 Yellow Rings from 1-9/32" - 1-1/2"			2-3/4	1	Yellow
MRG/1-17-32/1-3-4/ST8	02795	8 Silver Rings from 1-17/32" - 1-3/4"			2-3/4	1	Silver
MRG/1-25-32/0-2/ST8	02796	8 Black Rings from 1-25/32" - 2"			3-1/4	1	Black

Lens made of clear optical glass, ground and polished to give sharp images with minimum eye fatigue

Plastic body construction (for making it light weight)

Great for close inspection of detailed work

Ideal for watch repair, jewellery making, inspecting the edge of cutting tools etc.


ORDERING INFORMATION

CAT. NR.	ORD. NR.	MAGNIFICATION
EYL/2	02000	2x
EYL/3	02001	3x
EYL/3-5	02002	5x
EYL/4	02003	4x
EYL/4-5	02004	4.5x
EYL/5	02005	5x
EYL/10	02006	10x
SET		
EYL/2-5-10/ST	02020	Set of 3 with magnification 2x, 5x & 10x

Plastic grip for firm and comfortable grip

Used for marking on metal, glass, plastic & ceramics

For use by machinist's, engravers, mechanics etc.

Double ended-one straight point & other bent at 65°

Points are hardened 55-60 HRC


ORDERING INFORMATION

CAT NR.	ORD NR.
MS/7-PL/YE	03240

club hammers

CAT. NR	ORDERING NR.	HEAD WEIGHT		HANDLE LENGTH	
		lbs.	kgs	Inch	mm
CLUB HAMMERS - HEAVY DUTY 52 HRC HEAD					
CHID/2.5/12	34500	2.5	1.1	12	300
CHID/2.5/16		2.5	1.1	16	400
CHID/4/12	34501	4	1.8	12	300
CHID/4/16	34502	4	1.8	16	400
CLUB HAMMERS -SOFT FACE 30 HRC HEAD					
CHID/SF/2.5/12	34550	2.5	1.1	12	300
CHID/SF/4/12	34551	4	1.8	12	300

sledge hammers

CAT. NR	ORDERING NR.	HEAD WEIGHT		HANDLE LENGTH	
		lbs.	kgs	inch	mm
SLEDGE HAMMERS - HEAVY DUTY 52 HRC HEAD					
SHID/6/16	34521	6	2.7	16	400
SHID/6/24	34510	6	2.7	24	600
SHID/6/30	34511	6	2.7	30	750
SHID/8/12	34522	8	3.6	12	300
SHID/8/16	34523	8	3.6	16	400
SHID/8/24	34512	8	3.6	24	600
SHID/8/30	34513	8	3.6	30	750
SHID/8/36	34517	8	3.6	36	915
SHID/10/30	34514	10	4.5	30	750
SHID/10/36	34518	10	4.5	36	915
SHID/12/30	34515	12	5.5	30	750
SHID/12/36	34519	12	5.5	36	915
SHID/14/30	34516	14	6.3	30	750
SHID/14/36	34520	14	6.3	36	915
SLEDGE HAMMERS - SOFT FACE 30 HRC HEAD					
SHID/SF/6/30	34560	6	2.7	30	750
SHID/SF/8/30	34561	8	3.6	30	750
SHID/SF/10/30	34562	10	4.5	30	750
SHID/SF/12/30	34563	12	5.5	30	750

brass hammers

CAT. NR	ORDERING NR.	HEAD WEIGHT		HANDLE LENGTH	
		lbs.	kgs	inch	mm
SHID/2.5/12/BR	34700	2.5	1.1	12	300
SHID/2.5/16/BR	34701	2.5	1.1	16	400
SHID/4/12/BR	34702	4	1.8	12	300
SHID/4/16/BR	34703	4	1.8	16	400

ball pein hammers

CAT. NR	ORDERING NR.	HEAD WEIGHT		HANDLE LENGTH	
		oz.	kgs	inch	mm
BPID/24/14	34540	24	0.6	14	350
BPID/32/14	34541	32	0.9	14	350
BPID/48/14	34542	48	1.3	14	350



HEAVY DUTY CLUB HAMMER



SOFT FACE CLUB HAMMER



HEAVY DUTY SLEDGE HAMMER



COPPER HEAD SLEDGE HAMMER



SOFT FACE SLEDGE HAMMER

copper head sledge hammers

CAT. NR	ORDERING NR.	HEAD WEIGHT		HANDLE LENGTH	
		lbs.	kgs	inch	mm
CHID/2.5/12/CU		2.5	1.1	12	300
CHID/2.5/16/CU		2.5	1.1	16	400
CHID/4/12/CU	34600	4	1.8	12	300
CHID/4/16/CU		4	1.8	16	400
SHID/8/24/CU	34610	8	3.6	24	600
SHID/14/30/CU	34611	14	6.3	30	450



BRASS HAMMER



BALL PEIN HAMMER



CROSS PEIN HAMMER



CLAW HAMMER

cross pein hammers

CAT. NR	ORDERING NR.	HEAD WEIGHT		HANDLE LENGTH	
		lbs.	kgs	inch	mm
CPID/2/16	34530	2.5	1.15	16	400
CPID/3/16	34531	3.5	1.6	16	400

claw hammer

CAT. NR	ORDERING NR.	HEAD WEIGHT		HANDLE LENGTH	
		oz.	kgs	inch	mm
CLID/16/13	34535	16	0.45	13	330

INDESTRUCTIBLE HANDLE TECHNOLOGY

STEEL LOCKING PLATE

eliminates head getting loose or falling apart

HIGH VISIBILITY YELLOW HEAD

adds instant identification on any job site

RUBBER GRIP

Vulcanized rubber grip absorbs impact & vibration reducing fatigue and provides safety from electrical shocks

Handle weighs more than the head permitting higher torque

DROP FORGED HEAD

with striking ends induction hardened 52-56 HRC

SPRING STEEL BARS

9/32" (7.1 mm) dia. spring steel bars resist overstrike without breaking

STEEL REINFORCED LANYARD HOLE

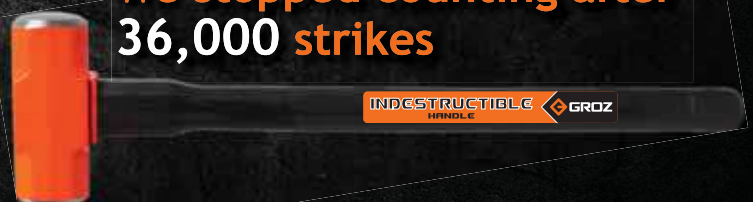
Wood handle broke in 450 strikes



Fiberglass handle broke in 7,000 strikes



We stopped counting after 36,000 strikes



 **GROZ**



**LUBRICATION
EQUIPMENT**
The World trusts.

01


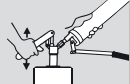

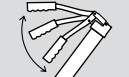
“Supa-Lite” Lever Grease Guns

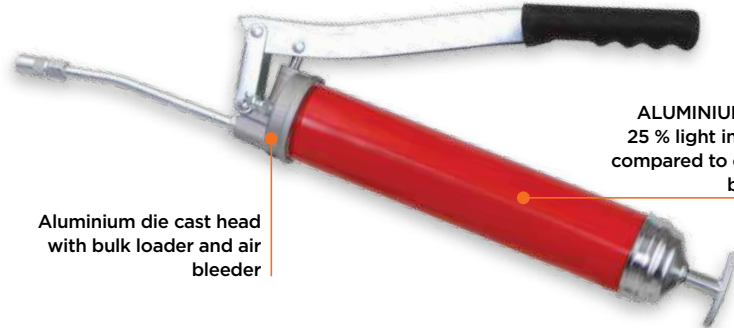
G1-HD/AL

Manufactured from light weight yet strong 0.063" (1.6 mm) thick aluminium

Ideal for fatigue free use by professionals who use grease guns continuously, construction workers working at heights etc.

FEATURES

DEVELOPS		DELIVERS	
10,000 PSI (690 BAR)		UPTO 1 GM / STROKE (1 OZ. / 28 STROKES)	
CARTRIDGE LOADING	FILLER PUMP LOADING	BULK FILL	
			
VARIABLE STROKE			
			



Aluminium die cast head with bulk loader and air bleeder

ALUMINIUM BARREL
25 % light in weight as compared to other steel barrel guns

ORDERING INFORMATION

CAT NR.	ORD NR.	THREADS	DESCRIPTION
G1R/HD/AL/B	42714	1/8" BSPT	6" (150 mm) Steel Extension with Coupler
G1R/HD/AL/M	42715	M10 x 1	6" (150 mm) Steel Extension with Coupler
G1R/HD/AL/N	42716	1/8" NPT	6" (150 mm) Steel Extension with Coupler
G1F/HD/AL/B	42717	1/8" BSPT	12" (300 mm) Hose Extension with Coupler
G1F/HD/AL/M	42718	M10 x 1	12" (300 mm) Hose Extension with Coupler
G1F/HD/AL/N	42719	1/8" NPT	12" (300 mm) Hose Extension with Coupler

02

“Supa-Lite” Pistol Grease Guns



G31/AL

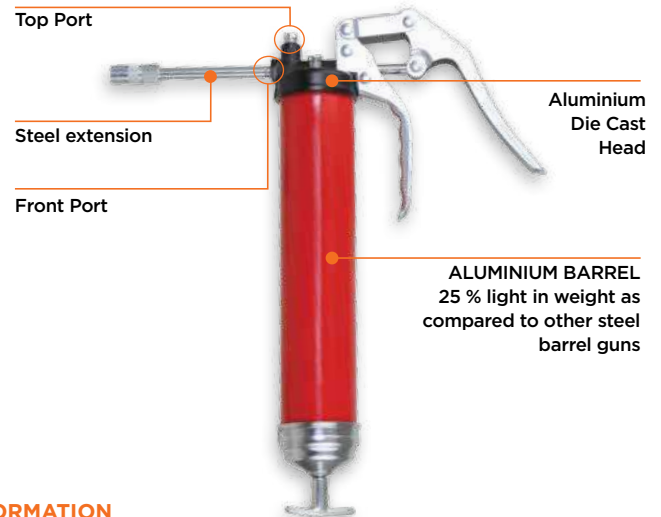
Manufactured from light weight yet strong 0.063" (1.6 mm) thick aluminium

Dual discharge ports allows use from front or top with steel extension or hose allowing greasing of hard to reach fittings

Ideal for fatigue free use by professionals who use grease guns continuously, construction workers working at heights etc.

FEATURES

DEVELOPS		DELIVERS	
5,000 PSI (345 BAR)		UPTO 0.5 GM / STROKE (1 OZ. / 56 STROKES)	
CARTRIDGE LOADING	BULK FILL		
			



Top Port

Steel extension

Front Port

Aluminium Die Cast Head

ALUMINIUM BARREL
25 % light in weight as compared to other steel barrel guns

ORDERING INFORMATION

CAT NR.	ORD NR.	THREADS	DESCRIPTION
G31R/AL/B	43011	1/8" BSPT	4" (100 mm) Steel Extension with Coupler
G31R/AL/M	43012	M10 x 1	4" (100 mm) Steel Extension with Coupler
G31R/AL/N	43013	1/8" NPT	4" (100 mm) Steel Extension with Coupler
G31F-18/AL/B	43014	1/8" BSPT	18" (450 mm) Hose Extension with Coupler
G31F-18/AL/M	43018	M10 x 1	18" (450 mm) Hose Extension with Coupler
G31F-18/AL/N	43019	1/8" NPT	18" (450 mm) Hose Extension with Coupler

03 Grease Gun Spin-On Cartridge Style

G49

G49P

Choice of lever and pistol grease guns for use with 400 gm spin-on (threaded) grease cartridge

Spin on cartridge works on special "vacuum technology" that ensures full utilization of grease in the cartridge, as well as eliminates priming issues associated with conventional grease guns

No air pockets, hence no air bleeding required

Grease cartridge not included



Threads for screwing cartridge



G49

G49P

FEATURES

G49

DEVELOPS	DELIVERS
10,000 PSI (690 BAR)	UPTO 0.9 GM / STROKE

G49P

DEVELOPS	DELIVERS
5,000 PSI (345 BAR)	UPTO 0.5 GM / STROKE

ORDERING INFORMATION

CAT NR.	ORD NR.	CAT NR.	ORD NR.	THREADS
WITH STEEL EXTENSION & COUPLER		WITH 300 MM FLEXIBLE HOSE & COUPLER		
G49R/B	42791	G49F/B	42793	1/8" BSPT
G49R/M	42792	G49F/M	42794	M10 X 1
G49PR/B	43160	G49PF-HP/B	43170	1/8" BSPT
G49PR/M	43161	G49PF-HP/M	43171	M10 X 1

04 Grease Cartridge

CTG-01

400 gms (14 oz.) of premium lithium complex NLGI grade 2 red grease

Useful for all Automotive, Industrial, Construction & Agricultural applications such as wheel bearing, chassis & universal joints etc.

FEATURES

OPERATING TEMPERATURE
-20°C TO 149°C (-4°F TO 300°F)



ORDERING INFORMATION

CAT NR.	ORD NR.	DESCRIPTION
CTG/01P	45110	Grease cartridge 400 gm (14 oz.)
D19	00519	Merchandise stand

Grease coupler for use with possibly any & every greasing equipment - manual grease guns, air grease guns, battery powered guns, manual grease pumps, air operated grease pumps etc.

Disengaging a coupler from a grease fitting, under pressurised conditions is very difficult & often leads to broken fittings or damage to the coupler jaws

The GROZ Quick Dis-Connect grease coupler is designed for quick & convenient dis-engagement of coupler from grease / zerk fittings under pressure.

To engage the coupler, simply press the thumb lever & slide the coupler jaws onto the fitting. Jaws are designed to fit all types of head profiles & work with both SAE & metric fittings.

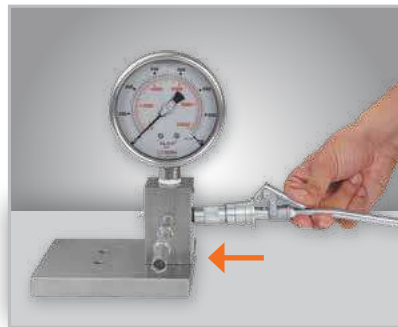
Once engaged the coupler sits firm on the grease / zerk fitting & does not require to be held, as is required with regular couplers. This coupler will not move, thus allowing hands free operation. 3 jaw construction helps in better alignment.

Once greasing is completed, simply press the thumb lever again to disconnect coupler from the zerk fitting.

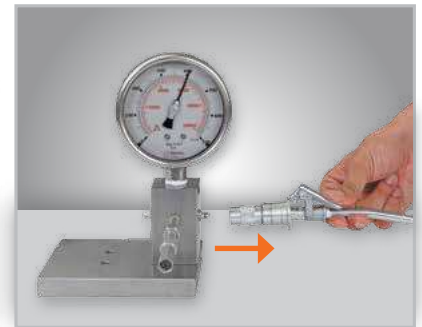
Coupler jaws move inside the steel wall when the thumb lever is actuated. This provides for additional back support to the jaws in high pressure greasing.

Coupler jaws are built from heat treated spring steel for increased wear resistance. The coupler body is also heat treated to withstand high pressures without deformation

Hands free & leak proof greasing !!



CONVENIENT ENGAGEMENT
Press the lever & slide coupler onto the fitting for complete engagement



EASY RELEASE
Simply press the thumb lever again to disconnect coupler from fitting

FEATURES

PRESSURE
UPTO 8000 PSI (550 BAR)

ORDERING INFORMATION

CAT NR.	ORD NR.	THREADS
HC/20/3/B	43555	1/8" BSPT (F)
HC/20/3/M	43556	M10 x 1 (F)
HC/20/3/N	43557	1/8" NPT (F)
REPAIR KIT		
KIT/RPR/HC/20	43558	Includes: Seal body, 3 Jaws, Spring, Non return spring, Seal



HANDS FREE OPERATION
Coupler need not be held during greasing

Heavy Duty Industrial grade pneumatic pumps designed for unmatched performance in demanding conditions

Particularly suitable for grease distribution in pipeworks & installations where simultaneous grease supply is required on different dispensing points at high pressure or in large volume

Pump dispenses grease at 50 times the air inlet pressure

All metal construction, fully CNC machined with hardened wear resistant moving parts

Reciprocating piston operated 3" (76 mm) dia. air motor

Stall free, ice free motor with tough durable housing, integrated muffler for quiet operation

Rugged design: Very few moving parts hence requires virtually no servicing

No special maintenance tools needed

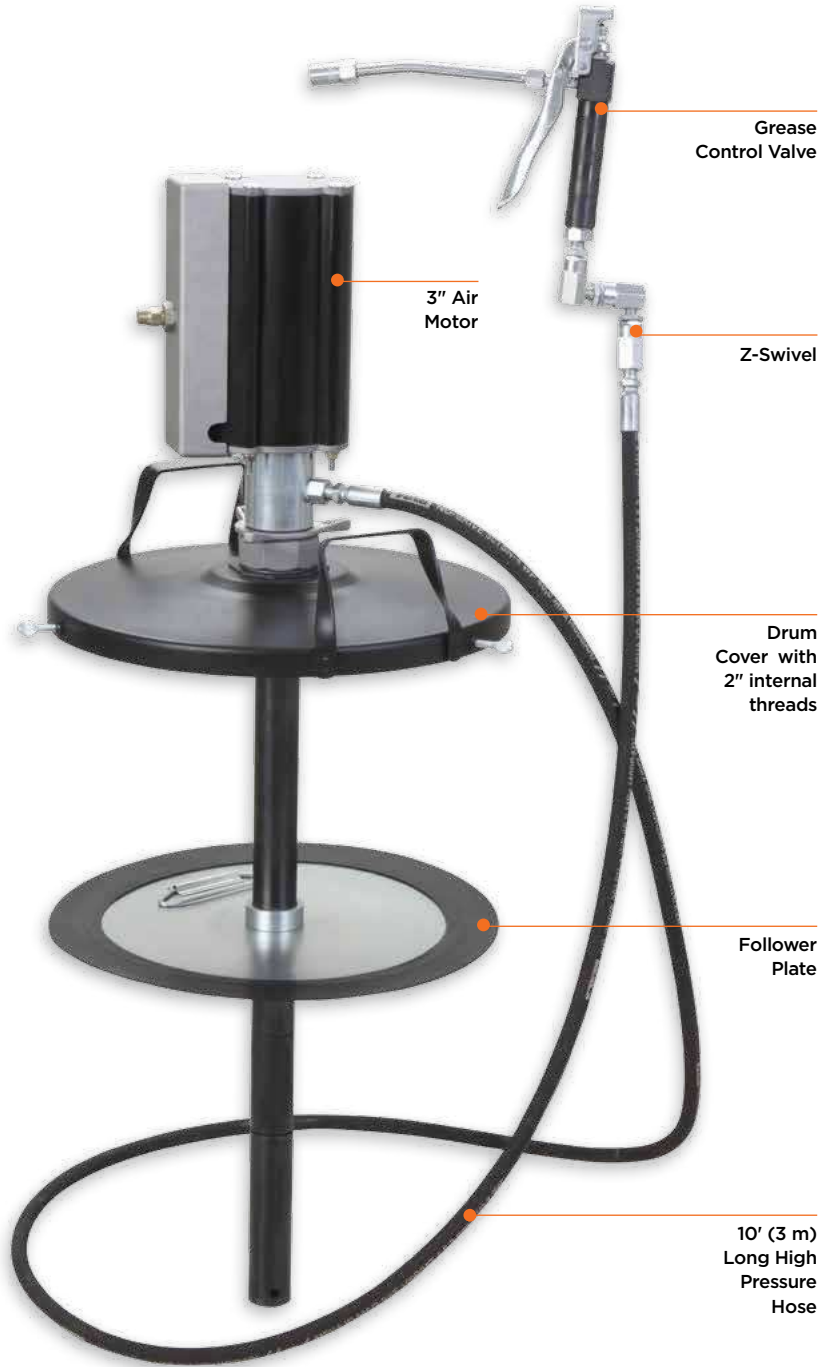
Supplied complete with drum cover, rubber line follower plate, 10' (120") of high pressure grease hose, Z swivel & professional grease control valve

WETTED COMPONENTS

Steel, Polyurethane, Nitrile Rubber, C.R.C. Sheet, Copper, PTFE

RECOMMENDED USE

NLGI 1, 2, 3



SPECIFICATIONS

WORKING PRESSURE	2-10 BAR (30-150 PSI)
MAX. OUTLET PRESSURE	500 BAR (7500PSI)
AIR INLET CONNECTION	1/4" NPT
PUMP OUTLET CONNECTION	3/8"
AIR CONSUMPTION	13 CFM
GREASE OUTPUT	3.2 Kg/7 lb per min in free flow
NOISE LEVEL (DB)	85-90 dB

ORDERING INFORMATION

CAT. NR.	ORD NR.	CAT NR.	ORD NR.	FITS	DRUM COVER DIAMETER		FOLLOWER PLATE DIMENSIONS			
					(Inch)	(mm)	O.D. STEEL END		O.D. PLATE	
BSP THREADS		NPT THREADED				(Inch)	(mm)	(Inch)	(mm)	
GPH/1/ST/BSP	45470	GPH/1/ST/N	45476	25-50 lb / 5 gal. / 20-30 kg pails	12	310	9-1/2	241	11-11/32	288
GPH/2/ST/BSP	45471	GPH/2/ST/N	45477	120 lb / 16 gal. / 50-60 kg pails	15	381	12-11/16	322	15	380
GPH/3/ST/BSP	45472	GPH/3/ST/N	45478	400lb / 180 kg drums	24-1/2	612	21-5/8	550	23-11/16	602

Trolley Mounted kits are ideal for use in workshops, garages, shop floors, providing complete portability for everyday greasing jobs

Designed for use with Grease Containers with 20- 60 kg capacity (35 lb. to 120 lb.), these complete kits come with

1. 50:1 Air Operated Grease Pump
2. Steel Drum Cover
3. Rubber Lined Follower Plate
4. 84" x 1/4" ID Grease Hose
5. Grease Control valve fitted with Z Swivel
6. Drum Trolley
7. 1/4" Miniature Air Filter-Regulator & Lubricator

Kit comes in CKD form & can be assembled quickly.

Trolley can be locked with brakes provided on the wheels

Available in two sizes

- For use with 20- 30 kg / 35 lb. Grease Pails
- For use with 50-60 kg / 120 lb. Grease Pails



SPECIFICATIONS

	TMK/GP1/A/BSP	TMK/GP2/A/BSP	TMK/GP1/A/N	TMK/GP2/A/N
GREASE OUTPUT	2.42 lbs/min. (1.1 kg/min.)	2.42 lbs/min. (1.1 kg/min.)	2.42 lbs/min. (1.1 kg/min.)	2.42 lbs/min. (1.1 kg/min.)
WORKING PRESSURE	30-150 PSI (2-10 BAR)	30-150 PSI (2-10 BAR)	30-150 PSI (2-10 BAR)	30-150 PSI (2-10 BAR)
MAX. OUTLET PRESSURE	7,500 PSI (500 BAR)	7,500 PSI (500 BAR)	7,500 PSI (500 BAR)	7,500 PSI (500 BAR)
HOSE	84" High Pressure	84" High Pressure	84" High Pressure	84" High Pressure
THREAD TYPE	BSP	BSP	NPT	NPT
AIR CONSUMPTION OF PUMP	61 GPM (230 LPM)	61 GPM (230 LPM)	61 GPM (230 LPM)	61 GPM (230 LPM)
NOISE LEVEL	81 db	81 db	81 db	81 db
FOR USE WITH	35 lb / 20-30 kgs	120 lb / 50-60 kgs	35 lb / 20-30 kgs	120 lb / 50-60 kgs
DRUM COVER SIZE	12" (310 mm)	15" (381 mm)	12" (310 mm)	15" (381 mm)
FILTERING ELEMENT IN FILTER	40 Micron	40 Micron	40 Micron	40 Micron

ORDERING INFORMATION

CAT NR.	ORD NR.
TMK/GP1/A/BSP	45820
TMK/GP2/A/BSP	45821
TMK/GP1/A/N	45825
TMK/GP2/A/N	45826

Heavy Duty metal oil bar with provision for 3 dispensing spigots & 3 oval gear digital oil meters

Detachable steel reservoir that is fitted with a sieve to filter out solid particles upto 0.23" / (5.9 mm)

Easy to dismantle & repair equipment from the back

Available in 6 variants (Refer table below)

WETTED COMPONENTS

Steel, Nitrile/Viton, Aluminium, Acetal

RECOMMENDED USE

Oils upto SAE 140, Diesel, Kerosene & Engine Coolants

FEATURES

MAX. PRESSURE

800 PSI (55 BAR)

FLUIDS



SPECIFICATIONS

FLOW RATE	1 - 30 LPM (0.3 - 8 GPM)
METER ACCURACY	± 0.5 %
WORKING TEMPERATURE	-14°C to 55°C
LEAST COUNT/RESOLUTION	Upto 0.001 units

ORDERING INFORMATION

CAT NR.	ORD NR.	CAT NR.	ORD NR	NUMBER OF SPIGOTS	NUMBER OF METERS
BSPT		NPT			
OBR/KIT/1/B	47807	OBR/KIT/1/N	47813	1	0
OBR/KIT/2/B	47808	OBR/KIT/2/N	47814	2	0
OBR/KIT/3/B	47809	OBR/KIT/3/N	47815	3	0
OBR/KIT/1M/B	47810	OBR/KIT/1M/N	47816	1	1
OBR/KIT/2M/B	47811	OBR/KIT/2M/N	47817	2	2
OBR/KIT/3M/B	47812	OBR/KIT/3M/N	47818	3	3

09

Bucket Oil Pumps

OLP-12

OLP-16

Portable Oil Pumps designed for transferring transmission differentials & heavier oils.

Pump with variable handle setting for use with media of different viscosities.

Includes 48" / 4' PVC hose with nozzle

Includes Steel Drum (12 Litre or 16 Litre Capacity) with a choice of with or without wheels



WITHOUT WHEEL



WITH WHEEL

ORDERING INFORMATION

CAT NR.	ORD NR.	CAT NR.	ORD NR.	BUCKET CAPACITY
WITHOUT WHEELS		WITH WHEELS		
OLP/12	44180	OLP/12W	44163	12 Litre (3.17 gallons)
OLP/16	44181	OLP/16W	44164	16 Litre (4.25 gallons)

10

Ezee Flow Pump - Premium

EZF-PR

Versatile Pump, engineered for trouble free use on 5 gallon/20-25 litre containers with 2" bung.

Drum filler plug on the head helps in refilling the drum on which it is mounted w/o removing the pump from the drum

Pump length can be extended up to 4.3" (110 mm) for use on the high depth containers by conveniently sliding the suction tube extender

RECOMMENDED USE

Engine oils, Gear Oils, Diesel and Light Fuel Oil, Antifreeze, Glycerine

DO NOT USE WITH

Urea, Kerosene, Laquers, other water based and corrosive media

WETTED COMPONENTS

Steel, Aluminum, Polyethylene, Polypropylene co Polymer, Viton, PVC and Acetal

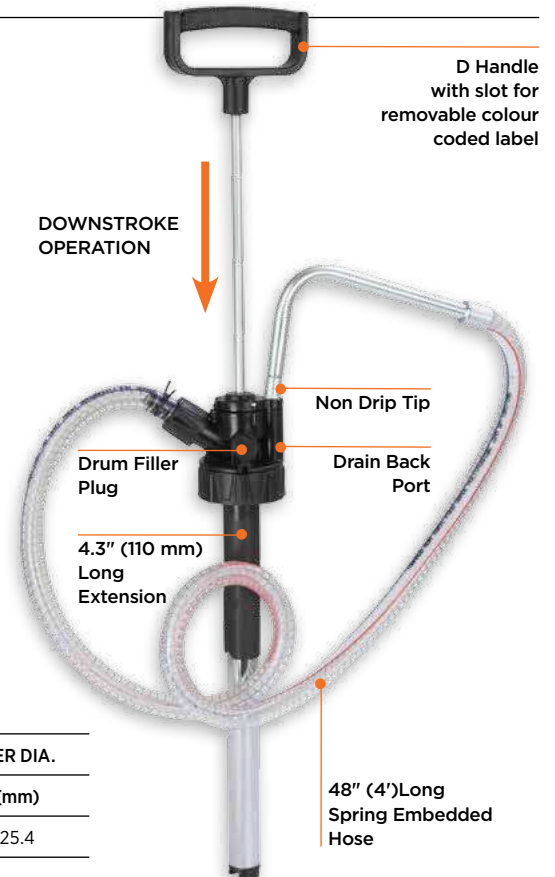
FEATURES

DELIVERS

**0.9 LITRE
(0.9 QUART) /
14 STROKES**

ORDERING INFORMATION

CAT NR.	ORD NR.	PUMP LENGTH		SUCTION TUBE OUTER DIA.	
		(Inch)	(mm)	(Inch)	(mm)
EZF/PR/20	44165	13.2 to 17.5	335 to 445	1	25.4



Trolley Mounted kits are ideal for use in workshops, garages, shop floors providing complete portability for everyday Oiling jobs

Designed for use with 55 gal. (205 Litre) Oil Drums, these come complete with

1. Air Operated Oil Pump with 2" Bung (3:1 or 5:1)
2. 3.5m (11-1/2") x 1/2" ID Oil Hose / Oil Hose Reel with 10m (30') x 1/2" Oil Hose
3. Digital Control Gun
4. Drum Trolley
5. 1/4" Miniature Air Filter-Regulator & Lubricator
6. Hose for connecting pump outlet to reel inlet*

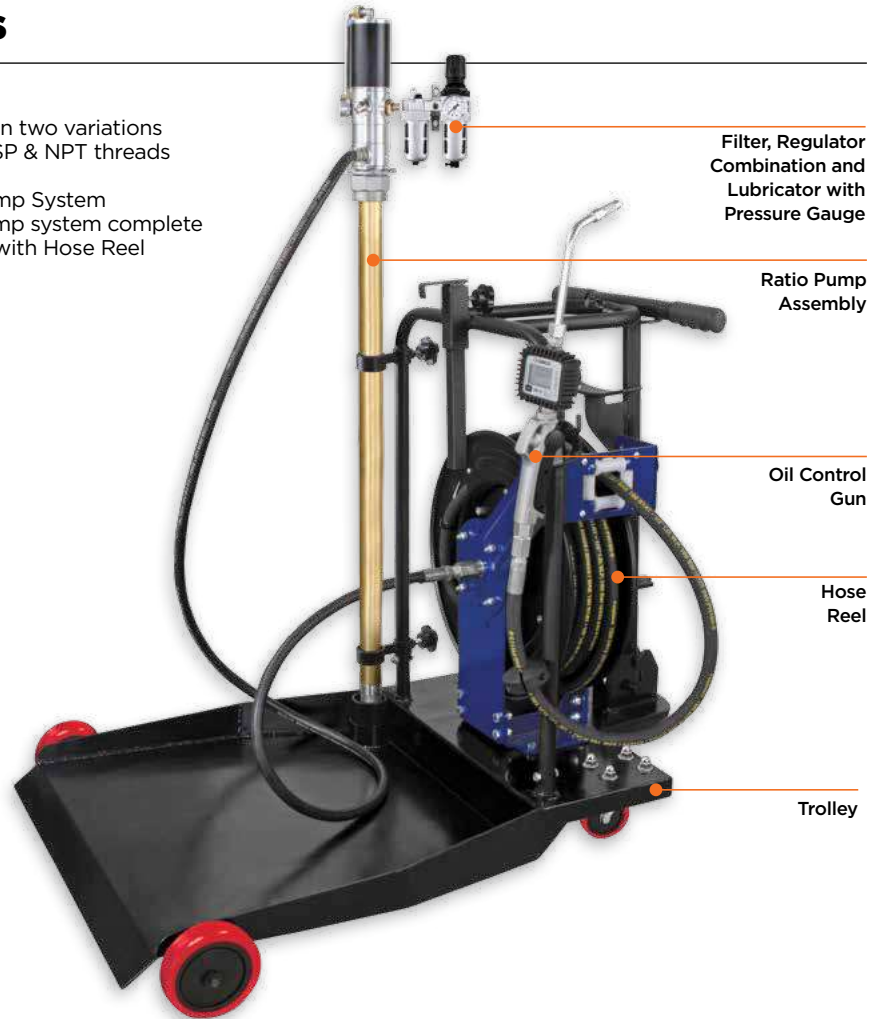
*only for models with hose reel

Kit comes in CKD form & can be assembled quickly.

Trolley can be locked with brakes provided on the wheels

Available in two variations both in BSP & NPT threads

- 3:1 pump System
- 5:1 pump system complete with Hose Reel



FEATURES

WORKING AIR PRESSURE	MAX. AIR PRESSURE
30-50 PSI (2-10 BAR)	150 PSI (10 BAR)

SPECIFICATIONS

	3:1 PUMP KIT	5:1 PUMP KIT
DESCRIPTION	Trolley Mounted Kit - 3:1 Air Operated Pump with Hose & Digital Oil Control Gun	Trolley Mounted Kit - 5:1 Air Operated Pump with Hose Reel & Digital Oil Control Gun
PUMP TYPE	Air Operated 3:1	Air Operated 5:1
MAX. OIL PRESSURE (AT PUMP OUTLET)	450 PSI	750 PSI
MAX. FLOW RATE (AT PUMP OUTLET)	Upto 14 LPM (3.7 GPM)	Upto 18 LPM (4.76 GPM)
AIR CONSUMPTION	230 LPM (61 GPM)	250 LPM (66 GPM)
MAX. VISCOSITY OF OIL	SAE 130	SAE 240
MAX. DISTANCE BETWEEN PUMP OUTLET & DISPENSE POINT	Upto 30 metres	Upto 50 Metres
HOSE REEL	NA	Steel (Dual Arm) Oil Hose reel complete with 10 m (30') x 1/2" ID Rubber Hose
DISCHARGE HOSE	SAE 100 R1 Rubber Hose 3.5m (11-1/2') x 1/2" ID	NA
OIL CONTROL GUN	Aluminium Body gun with 1/2" Swivel & Digital Meter. Includes Flexible Hose with Mechanical Non Drip	
AIR CONTROL UNIT	Miniature 1/4" Air Filter-Regulator & Lubricator with Pressure Gauge , 40 Micron Filter , 18 CFM (500 LPM)	

ORDERING INFORMATION

CAT NR.	ORD NR.	CAT NR.	ORD NR.	DESCRIPTION
BSP		NPT		
TMK/OP3/A/BSP	45830	TMK/OP3/A/N	45835	Trolley Mounted kit with 3:1 Air Operated Pump , Hose & Digital Oil Control Gun
TMK/OP5H/A/BSP	45831	TMK/OP5H/A/N	45836	Trolley Mounted kit with 5:1 Air Operated Pump , Hose Reel & Digital Oil Control Gun

12

Oil Control Guns

Heavy duty gun for controlling fluid deliveries in most demanding applications

Aluminium die cast construction

Built-in continuous Flow switch can be activated for unattended dispensing

Swivel at inlet for easy maneuverability. Strainer in the swivel keeps contaminants, dust, girt etc. always from entering the gun

RECOMMENDED USE

Oils with viscosity upto SAE 140

DO NOT USE WITH

Water based media, Gasoline etc.

WETTED COMPONENTS

Aluminum, Steel, Brass & NBR

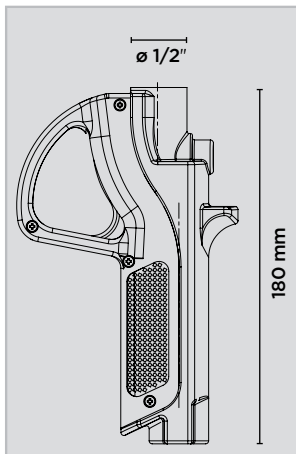
FEATURES

FLOW RATE	WORKING PRESSURE	TEMPERATURE
UPTO 30 LPM (8 GPM)	1000 PSI (70 BAR)	-14°C TO 55°C (7°F TO 131°F)

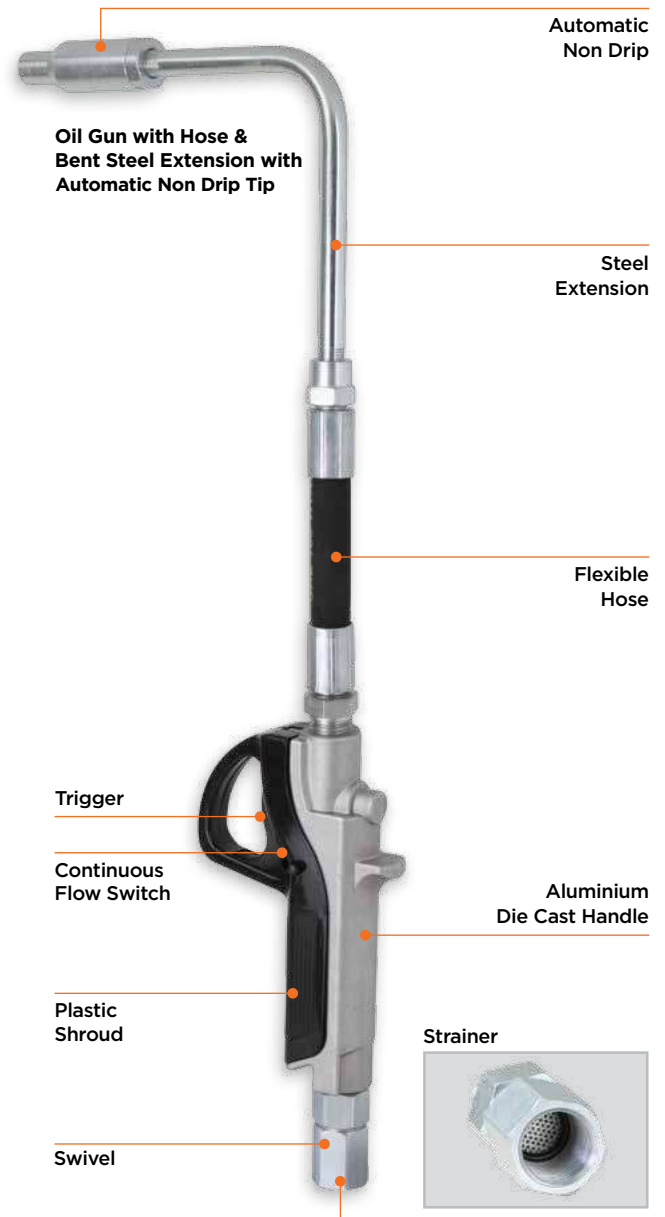
SPECIFICATIONS

FLOW RATE	Upto 30 LPM (Upto 8 GPM)
MAX. WORKING PRESSURE	1000 PSI (70 BAR)
WORKING TEMPERATURE RANGE	-14°C to 55°C (7°F to 131°F)
INLET THREADS	1/2" BSPT (F) / 1/2" NPT (F)
IN-LINE SWIVEL	1/2" (F)
OUTLET DIAMETER OF STEEL SPOUT	1/2" (12.7 mm)
INSIDE DIAMETER OF HOSE EXTENSION	1/2" (12.7 mm)

DIMENSIONS



COLOUR OPTION OF SHROUDS



VARIANTS



Oil Gun with Steel Extension



Oil Gun with Steel Extension & Manual Non Drip Tip



Oil Gun with Steel Extension & Automatic Non Drip Tip



Oil Gun with Hose & Manual Non Drip Tip



Oil Gun with Hose & Automatic Non Drip Tip



Oil Gun with Hose extension with bent Steel pipe & Manual Non Drip Tip



Oil Gun with Hose extension with bent Steel pipe & Automatic Non Drip Tip

ORDERING INFORMATION

CAT NR.	ORD NR.	CAT NR.	ORD NR.	NON DRIP TIP
WITH STEEL EXTENSION				
BSPT		NPT		
OGN/S/1-2R/B	45704	OGN/S/1-2R/N	45707	----
OGN/SM/1-2R/B	45705	OGN/SM/1-2R/N	45708	Manual
OGN/SA/1-2R/B	45706	OGN/SA/1-2R/N	45709	Automatic
WITH FLEXIBLE HOSE EXTENSION				
OGN/SM/1-2F/B	45711	OGN/SM/1-2F/N	45713	Manual
OGN/SA/1-2F/B	45712	OGN/SA/1-2F/N	45714	Automatic
WITH FLEXIBLE HOSE EXTENSION WITH BENT STEEL PIPE				
OGN/SM/1-2FB/B	45725	OGN/SM/1-2FB/N	45727	Manual
OGN/SA/1-2FB/B	45726	OGN/SA/1-2FB/N	45728	Automatic

Super accuracy heavy duty gun for controlling fluid deliveries in most demanding applications

Oval gear mechanism

Electronic Display using one 3V Lithium Ion battery with life upto 5 years

Aluminium Die cast meter & gun body

Built-in continuous Flow switch can be activated for un-attended dispensing

Measures in Litres, US Gallons, Quarts, Pints, Ounces & Decilitres

Easy user re calibration

Ergonomically designed plastic grip for convenient usage. Available in choice of colours for convenient fluid identification

Swivel at inlet for easy maneuverability. Strainer in the swivel keeps contaminants, dust, grit etc. away from entering the gun

Available in the following variations

- a) Control gun with Steel spout and non drip tip
- b) Control gun with flexible hose with non drip tip
- c) Control gun with flexible hose extension with bent Steel spout and non drip tip

All guns with non-drip are available with choice of high flow manual or high control automatic tip.

RECOMMENDED USE

Oils with viscosity upto SAE 140

DO NOT USE WITH


Water based media, Gasoline etc.

WETTED COMPONENTS

Aluminum, Acetal, Brass, Nitrile Rubber & Steel



FEATURES

FLOW RATE	TEMPERATURE	WORKING PRESSURE	OVAL GEAR MECHANISM
1 TO 30 LPM (0.3 TO 8 GPM)	-14°C TO 55°C (7°F TO 131°F)	1000 PSI (70 BAR)	

VARIANTS



Flex Bent-Auto



Flex Bent-Manual



Rigid Manual



Flex Manual



Flex Auto

SPECIFICATIONS

FLOW RATE	1 to 30 LPM (0.3 to 8 GPM)
ACCURACY	+ / - 0.50%
REPEATABILITY	0.20 %
MAX. WORKING PRESSURE	1000 PSI (70 BAR)
WORKING TEMPERATURE RANGE	-14°C to 55°C (7°F to 131°F)
MAX. RESETTABLE BATCH TOTAL	99,999.9 units
MAX. NON RESETTABLE TOTALIZER	9,99,999 units (6 Digit)
LEAST COUNT /RESOLUTION	Upto 0.001 units
DISPLAY OUTPUT	User Selectable for 0.1, 0.01, 0.001 units
INLET THREADED	½" BSPT (F) / ½" NPT (F)
WATER RESISTANCE	IP55
IN-LINE SWIVEL	½" (F)
OUTLET DIAMETER OF STEEL SPOUT	½" (12.7 mm)
INSIDE DIAMETER OF HOSE EXTENSION	½" (12.7 mm)

ORDERING INFORMATION

CAT NR.	ORD NR.	CAT NR.	ORD NR.	EXTENSION	NON DRIP TIP
BSPT		NPT			
OM/200/OGN/FB-M/B	47014	OM/200/OGN/FB-M/N	47034	Flexible with Bent Steel	Manual
OM/200/OGN/FB-A/B	47015	OM/200/OGN/FB-A/N	47035	Flexible with Bent Steel	Automatic
OM/200/OGN/RM/B	47010	OM/200/OGN/RM/N	47030	Rigid Steel	Manual
OM/200/OGN/RA/B	47011	OM/200/OGN/RA/N	47031	Rigid Steel	Automatic
OM/200/OGN/FM/B	47012	OM/200/OGN/FM/N	47032	Flexible Hose	Manual
OM/200/OGN/FA/B	47013	OM/200/OGN/FA/N	47033	Flexible Hose	Automatic

Note: Not to be used to measure media for resale

14

Mechanical Oil Control Guns

Super accuracy heavy duty gun for controlling fluid deliveries in most demanding applications

Oval gear mechanism

High Reliability Mechanical display

Aluminium Die cast meter & gun body

Built-in continuous Flow switch can be activated for un-attended dispensing

Available in Litre / Quart version

Ergonomically designed plastic grip for convenient usage. Available in choice of colours for convenient fluid identification

Swivel at inlet for easy maneuverability. Strainer in the swivel keeps contaminants, dust, grit etc. away from entering the gun

Available in the following variations

- a) Control gun with Steel spout and non drip tip
- b) Control gun with flexible hose with non drip tip
- c) Control gun with flexible hose extension with bent Steel spout and non drip tip

All guns with non-drip are available with choice of high flow manual or high control automatic tip.

RECOMMENDED USE

Oils with viscosity upto SAE 140

DO NOT USE WITH


Water based media, Gasoline etc.

WETTED COMPONENTS

Aluminum, Acetal, Brass, Nitrile Rubber & Steel



FEATURES

FLOW RATE	TEMPERATURE	WORKING PRESSURE	OVAL GEAR MECHANISM
1 TO 30 LPM (0.3 TO 8 GPM)	-10°C TO 55°C (14°F TO 131°F)	1000 PSI (70 BAR)	

VARIANTS



Flex Bent-Auto



Flex Bent-Manual



Rigid Manual



Flex Manual



Flex Auto

SPECIFICATIONS

FLOW RATE	1 to 30 LPM (0.3 to 8 GPM)
ACCURACY	+ / - 1%
REPEATABILITY	0.30 %
MAX. WORKING PRESSURE	1000 PSI (70 BAR)
WORKING TEMPERATURE RANGE	-10°C to 55°C (14°F to 131°F)
MAX. RESETTABLE BATCH TOTAL	999.9 Litres or Quarts
MAX. NON RESETTABLE TOTALIZER	999999.9 Litres or Quarts (7 Digit)
LEAST COUNT /RESOLUTION	0.10 Litres or Quarts
INLET THREADED	½" BSPT (F) / ½" NPT (F)
WATER RESISTANCE	IP55
IN-LINE SWIVEL	½" (F)
OUTLET DIAMETER OF STEEL SPOUT	½" (12.7 mm)
INSIDE DIAMETER OF HOSE EXTENSION	½" (12.7 mm)

ORDERING INFORMATION

CAT NR.	ORD NR.	CAT NR.	ORD NR.	MEASUREMENT	EXTENSION	NON DRIP TIP
BSPT		NPT				
OM/100/OGN/FB-M/B	47064	OM/100/OGN/FB-M/N	47078	Litres	Flexible with Bent Steel	Manual
OM/100/OGN/FB-A/B	47065	OM/100/OGN/FB-A/N	47079	Litres	Flexible with Bent Steel	Automatic
OM/100/OGN/RM/B	47060	OM/100/OGN/RM/N	47070	Litres	Rigid Steel	Manual
OM/100/OGN/RA/B	47061	OM/100/OGN/RA/N	47071	Litres	Rigid Steel	Automatic
OM/100/OGN/FM/B	47062	OM/100/OGN/FM/N	47074	Litres	Flexible Hose	Manual
OM/100/OGN/FA/B	47063	OM/100/OGN/FA/N	47075	Litres	Flexible Hose	Automatic
----	----	OM/100Q/OGN/FB-M/N	47080	Quarts	Flexible with Bent Steel	Manual
----	----	OM/100Q/OGN/FB-A/N	47081	Quarts	Flexible with Bent Steel	Automatic
----	----	OM/100Q/OGN/RM/N	47072	Quarts	Rigid Steel	Manual
----	----	OM/100Q/OGN/RA/N	47073	Quarts	Rigid Steel	Automatic
----	----	OM/100Q/OGN/FM/N	47076	Quarts	Flexible Hose	Manual
----	----	OM/100Q/OGN/FA/N	47077	Quarts	Flexible Hose	Automatic

Note: Not to be used to measure media for resale

15

Flexible Spout Measures

MSR

Plastic Measures have a translucent high density Polyethylene construction & are used for transferring metered qty. of fluids

8 Litre (8 Quart) measure is especially useful for transferring oils into the Engine / Transmission system of trucks & heavy vehicles.

Note

Measure must not be used to measure media for sale / commercial use



ORDERING INFORMATION

CAT. NR.	ORD. NR.	CAPACITY	
		Litre	Quart
MSR/P/F-1	41900	1	1
MSR/P/F-2	41901	2	2
MSR/P/F-3	41902	3	3
MSR/P/F-5	41903	5	5
MSR/P/F-6	41904	6	6
MSR/P/F-8	41913	8	8

16

Fuel & Oil Funnel

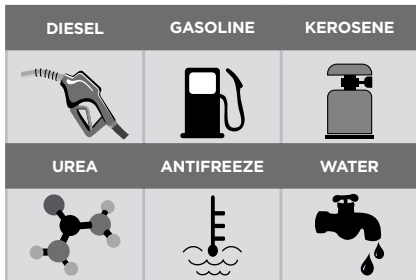
FNL-11

High flow fuel & oil funnel with extra large mouth for easy pouring

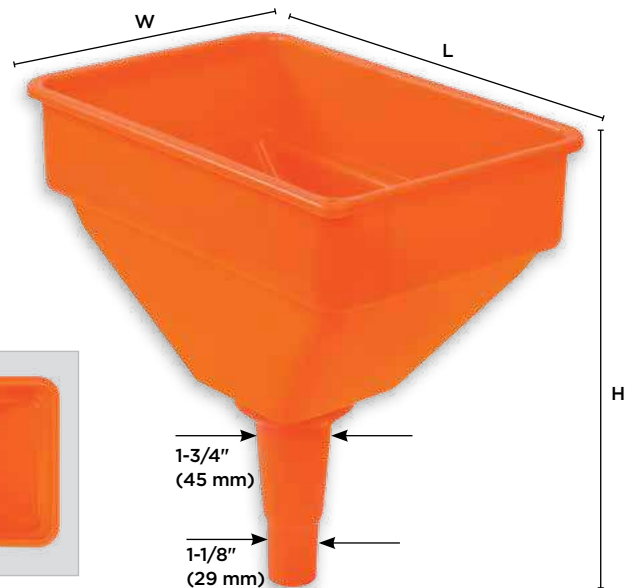
Heavy Duty polyethylene construction for outdoor use over varying temperate conditions & sunlight

Ships in nested form

FLUIDS



Filter Screen



ORDERING INFORMATION

CAT NR.	ORD NR.	TYPE	CAPACITY		LENGTH (L)		WIDTH (W)		HEIGHT (H)	
			Litre	Gallon	inch	mm	inch	mm	inch	mm
FNL/11	41930	Without Filter Screen	4.7	1.2	11	280	7-1/2	190	11.41	290
FNL/11F	41931	With Filter Screen								

17 Conical Funnels

FNL-6
FNL-7

Polyethylene funnels designed for use with virtually any media. Will never corrode or rust.

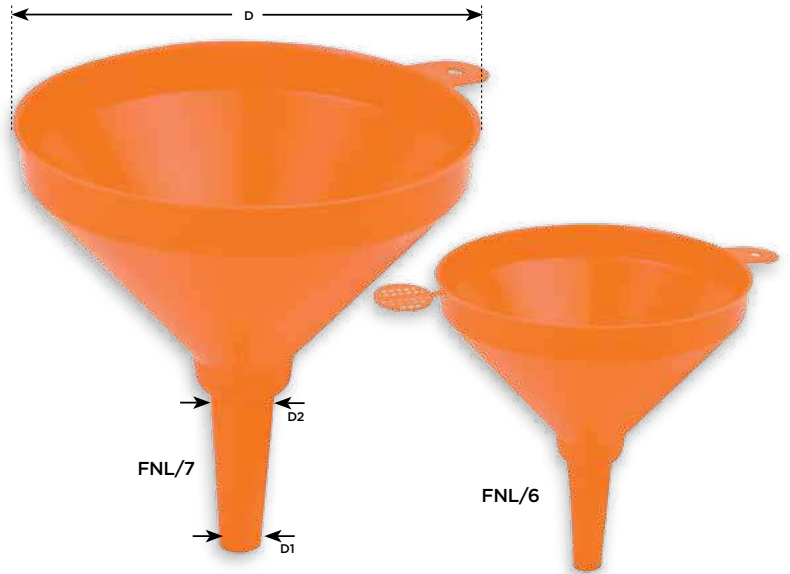
WETTED COMPONENTS
Polyethylene

RECOMMENDED USE
Diesel, Gasoline, Kerosene, Urea, Oils, Antifreeze & Other Water based media.

DO NOT USE WITH
Acids & Other media at temperatures above 60°C (140° F)

FLUIDS

DIESEL 	GASOLINE
UREA 	ANTIFREEZE
KEROSENE 	WATER



ORDERING INFORMATION

CAT NR.	ORD NR.	CAPACITY	HEIGHT (H)		D		D1		D2	
			ml	inch	mm	inch	mm	inch	mm	inch
FNL/6	41935	650	6	153	5-3/4	146	9/16	14	7/8	22
FNL/7	41936	1800	8-11/32	214	8-11/32	212	1-1/8	28.9	1-7/8	46.5

18 Metal Oil Drain Pan

ODR-7

Designed for use with Heavy-Duty Trucks, Buses, RV's

Rugged steel construction (makes it ideal for use in repair shops)

Steel body keeps the pan odour free at all times

For handling engine oil, gear oil, transmission fluids & coolants etc.

Powder coated for better rust resistance

Built-in handles for convenient handling and easy pooring of fluids



ORDERING INFORMATION

CAT NR.	ORD NR.	DIAMETER		HEIGHT		CAPACITY	
		inch	mm	inch	mm	Litre	Gallon
ODR/7	41970	18.66	474	8.54	217	26	7

19

Universal Oil Funnel

FNL-UV

Universal funnel for refilling of engine oil, coolant, diesel, gasoline etc. in vehicles, tractors, earthmovers, gensets etc.

One Size fits all.



Before Adjustment



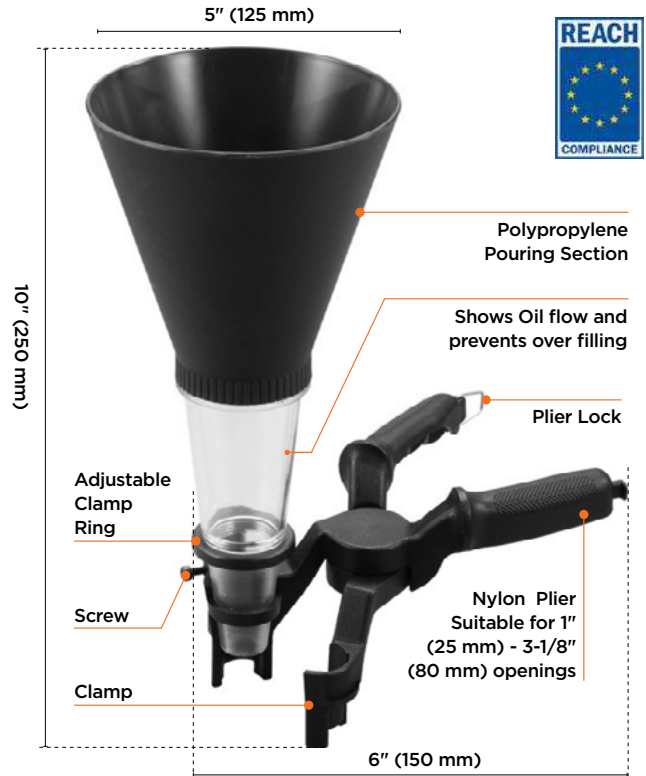
Adjustable Clamp Ring helps screw the funnel on varying base heights



After Adjustment Spring loaded nylon plier fits perfectly on the filler necks avoiding gaps between funnel & neck and hence avoid oil spillage as well

ORDERING INFORMATION

CAT NR.	ORD NR.	MIN. FILL DIA.	MAX. FILL DIA.
FNL/UV/25-80	41940	1" (25 mm)	3-1/8" (80 mm)



20

Drum Faucet

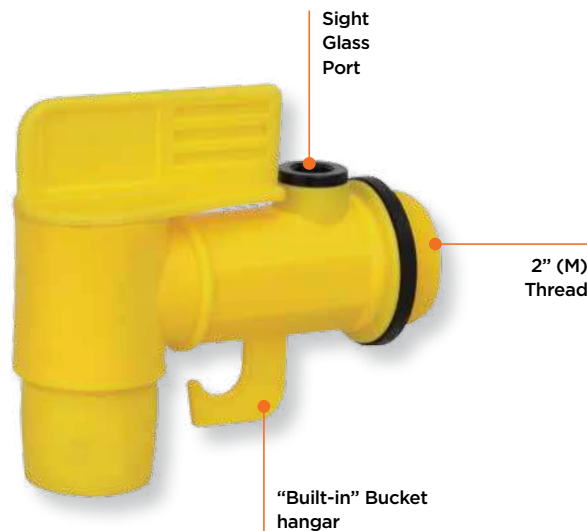
FAU

Polyethylene construction

Fits into 2" threaded opening on 205 litre (55 gal.) drums

Facilitates convenient dispensing of media under gravity flow with the drum laid horizontally

Built in sight glass port for mounting sight glass to check fluid level in the drum



Sight Glass (not included) shows level of oil left in the drum



Can be pad locked

ORDERING INFORMATION

CAT NR.	ORD NR.	DESCRIPTION
FAU/0-2	44420	Drum Faucet
LI/FAU	44421	Sight Glass for Drum Faucet

Designed for use with Heavy-Duty Trucks, Buses, RV's & other low profile automobiles.

Eliminates the need to lift the vehicle for changing oil or coolant

17 gallon (65 litre) capacity reservoir moulded from robust, lightweight high-impact polyethylene.

To collect waste fluids including motor oil and transmission fluid, coolant etc.

4" (100 mm) Nylon Castors gives better maneuverability.

Hose hanger for safe keeping the hose when not in use

Removable Anti splash tray does not allow solid particles/debris of above 0.15" (3.8 mm) dia. to enter into the tank.

Recessed pocket at each corner provides storage space for drain plugs & filters.

Baffles inside the reservoir prevents any oil spillage during transport.

Available in two Versions:

- a. With Pump
- b. Without pump

Manual rotary pump offers a discharge of upto 0.25 gallon (1 litre) / 5 turns

WETTED COMPONENTS

Polyethylene*, PVC, Steel, Cast Iron & NBR (*only for TD-17/G)

RECOMMENDED USE

Diesel, Kerosene, Lubricating Oil (upto SAE 90), Non Corrosive Media, Waste Fluids including Motor Oil, Transmission Fluids, Coolant etc.

SPECIFICATIONS

DESCRIPTION/MODEL	TD-17G	TD-17P
TRUCK DRAIN HEIGHT	7 -3/4" (195 mm)	7 -3/4" (195 mm)
DISCHARGE HOSE OF 6FT. (2000 MM)	Yes	Yes
FEEDER HOSE OF 1.25 FT. (380 MM)	No	Yes
ROTARY PUMP DISCHARGE	-	1 litre / 5 strokes
STEEL SPOUT	Yes	Yes

ORDERING INFORMATION

CAT NR.	ORD NR.	DESCRIPTION
TD/17G	45810	Gravity oil drain
TD/17P	45811	Oil drain with manual Rotary Pump



TD-17G (Without Pump)



FLUIDS



Designed for use with Heavy-Duty Trucks, Buses, RV's etc.

Rugged steel construction makes it ideal for use in heavy duty repair shops

Removable Anti splash tray reduces splash and does not allow particles of more than 5 mm dia. to enter into the tank

Baffles* inside the reservoir prevents any oil spillage during transport

*Only on 90 litre models

Available in two capacities

1. 18 gallons (68 litres)
2. 24 gallons (90 litres)

Both sizes available with and without pump

Manual Pump discharge upto 0.25 gallon (1 litre / 5 turns)



ORDERING INFORMATION

CAT NR.	ORD NR.	DESCRIPTION	LENGTH (L)		WIDTH (W)		HEIGHT (H)		RESERVOIR CAPACITY
			(Inch)	(mm)	(Inch)	(mm)	(Inch)	(mm)	
TD/68G	45802	Gravity Oil Drain	41.92	1065	22	560	7-1/2	190	68 litre (18 gal.)
TD/68P	45803	Drain with Manual Rotary Pump							
TD/90BF/G	45806	Gravity Oil Drain with Baffles	47.8	1215	29.5	750	8.3	212	90 litre (24 gal.)
TD/90BF/P	45807	Drain with Manual Rotary Pump with Baffles							

Available in 2 sizes

- a. Trolley for 50 kg / 16 gal. / 120 lb drums
- b. Trolley for 180 kg / 210 litre / 55 gal. / 400 lb drums. Can be used just as a trolley for safe movement of oil drums or a complete dispensing system with hose reel & pneumatic pump

3" (75 mm) ground clearance

Drum clamping attachment



TRL/180H



Clamps for holding pump when not in use

Plate for mounting a hose reel

Cup for secure holding of pump inlet & collecting dripping oil

Heavy Duty 4mm thick steel sheet

Removable handle used for moving the trolley



Removable handle used as a drum loader



Removable handle used as a drum wrench



6" (150mm) polyurethane wheels with nylon rim

Lock position



Un-lock position



Heavy Duty castors with toe lock

Trolley being used as a dispensing system with Air Ratio Pump & Hose Reel installed

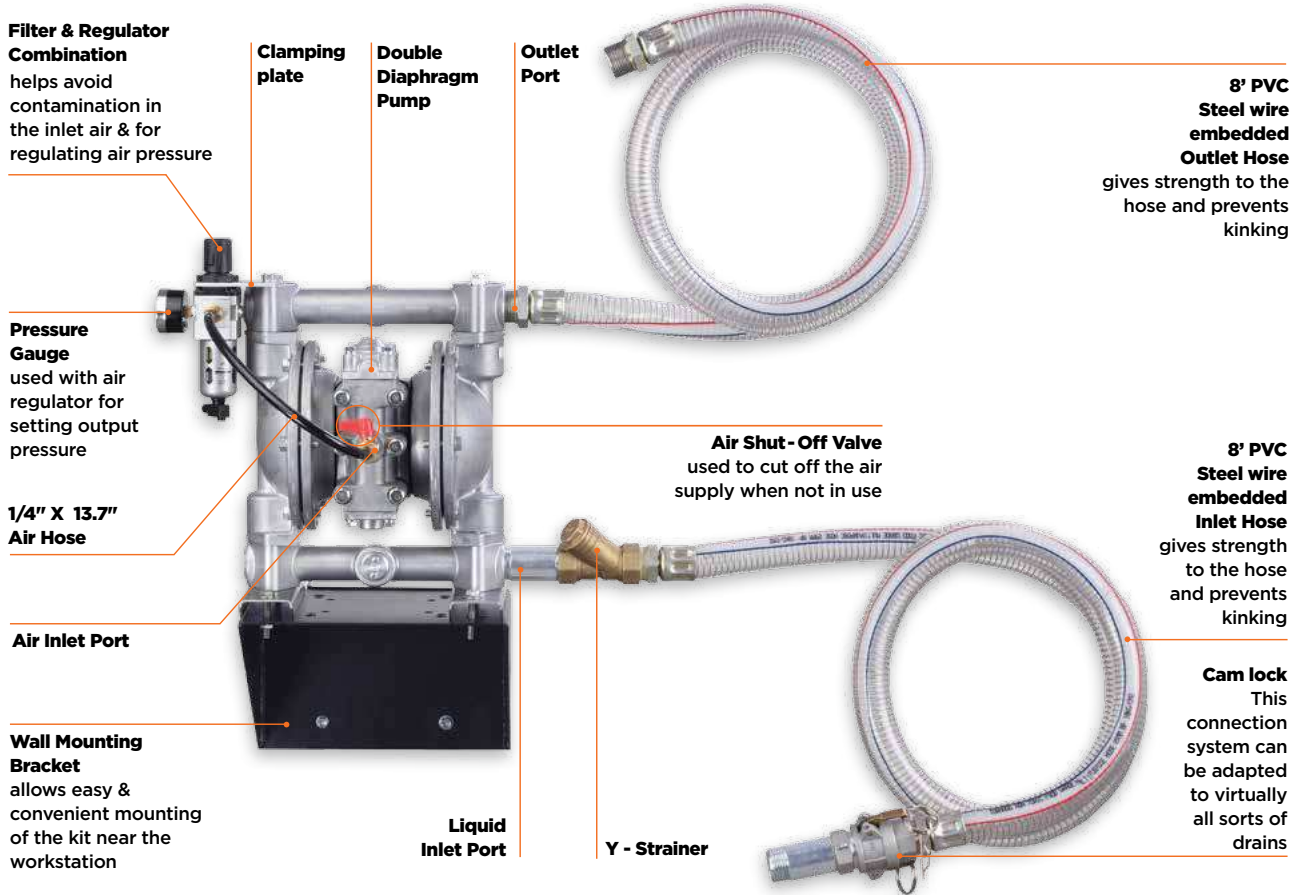


TRL/50



ORDERING INFORMATION

CAT NR.	ORD NR.	SUITABLE FOR
TRL/50	44430	50-60 kg drums / 16 gal. / 120 lb
TRL/180H	44431	180 Kg / 205 litre drums / 55 gal. / 400 lb



The Air Operated Double Diaphragm Evacuation System includes

1. Double Diaphragm Pump
2. Filter Regulator Combination
3. Two 8' PVC Hoses, Cam Lock, Y strainer, Fittings
4. Pressure Gauge and Air Hose
5. Wall mounting bracket
6. Clamping Plate
7. PTFE Tape

Ideal for use in workshops, garages for removing used oil from drains and delivering to the used oil sump tank

FEATURES
AIR INLET PRESSURE
**20-100 PSI
(1.40-6.89 BAR)**
SPECIFICATIONS

	KIT/AODD/1-2/WO/N	KIT/AODD/0-1/WO/N
SIZE	1/2"	1"
FLOW RATE	0-50 LPM (0-13.22 GPM)	0-110 LPM (0-29.1 GPM)
CASING	Aluminium	Aluminium
DIAPHRAGM	Hytrel	Hytrel
MAX. PARTICLE SIZE	1/32" (1 mm)	1/16" (2 mm)

ORDERING INFORMATION

CAT NR.	ORD NR.
KIT/AODD/1-2/WO/N	44750
KIT/AODD/0-1/WO/N	44751

NOTES



A series of horizontal dotted lines for writing notes, filling the majority of the page below the header.



Groz Engineering Tools (P) Ltd.
Groz Net Industries

Village Kherki Daula, National Highway-8
Gurgaon-122001, Haryana, INDIA
TEL +91.124.282.7700 / 221.4050
FAX +91.124.2827986 / 221.4224
FAX (USA) +1.509.271.7848
FAX (UK) +44.870.121.1854

E-MAIL info@groz-tools.com
URL www.groz-tools.com

Whilst every effort has been made to ensure accuracy of information given in this catalogue at the time of going to print, Feb 2016, our policy of continuous improvement determines the right to change specifications without notice. Customers must ensure that goods are suitable for the purpose intended.

NEW & EXPANDED RANGE OF **TOOLS & EQUIPMENT**

APRIL
2017



 **GROZ**

CAT MINI CI-31

INDEX

PROFESSIONAL HAND TOOLS

INDESTRUCTIBLE HANDLE HAMMERS	
Tyre Service Hammer	3
TOOL KITS & TOOL BOXES	
65+1 Piece Automotive Tool Kit	4
Aluminium Tool Box	5
153+1 Piece Automotive Tool Kit	6
7 Drawer Portable Workstation	7
5 Tray Cantilever Tool Box with Trolley	7
HYDRAULIC BOTTLE JACKS	
Hydraulic Bottle Jacks	8
TYRE LEVERS	
Tyre Levers	9
ROLL HEAD PRY BARS	
Roll Head Pry Bars	9
BEARING PULLERS	
Bearing Pullers	9
SCREW EXTRACTOR	
Screw Extractor Set	10
OIL FILTER WRENCH	
Oil Filter Wrench	10
PISTON RING COMPRESSORS	
Piston Ring Compressors	10
WRENCHES	
Adjustable Wrenches	11
SELF LOCKING PLIERS	
Self Locking Pliers	11
HEX SHANK SCREWDRIVERS	
Hex Shank Screwdrivers	12
SOCKET & ACCESSORIES	
Sockets	14
Socket Sets	16
Socket Accessories	18
Impact Sockets	20
Ratchet Handles	22
HEXAGON KEY SETS	
Hexagon Key Sets	23
RIVETERS	
2 Jaw Hand Riveter	26

2 Jaw Lazy Tong Hand Riveter	26
Hand Riveter for Threaded Rivets	27
WRENCHES	
Slogging Wrenches	27
Adjustable Pipe Wrenches - Stillson Pattern	28
WATER PUMP PLIERS	
Water Pump Pliers	28

FLUID HANDLING EQUIPMENT

SPECIALITY PUMPS	
Submersible Diesel Pump	29
GREASING & OILING EQUIPMENT	
High Volume Grease Ratio Pump System 50:1	30
Rapid Action Bearing Packer - Bench Top Kit	31
3:1 Air Operated Bucket Oil Ratio Pump	31
Bucket Oil Pump with Meter	31
Industrial Duty Air Operated Ratio Pump 6.5:1	32
Stainless Steel Rotary Drum Pump	33
WASTE OIL HANDLING	
Truck Drain	34
Heavy Duty Steel Truck Drain	35
Electric Waste Oil Pump	36
G series Air Operated Double Diaphragm Pump	37
ACCESSORIES	
Drum Level Indicator	38
Break Away Valve	38
TYRE INFLATOR GAUGES	
Tyre Inflator Gauge for Cars	39
Tyre Inflator Gauge for Trucks	40

Whilst every effort has been made to ensure accuracy of information given in this catalogue at the time of going to print, April 2017, our policy of continuous improvement determines the right to change specifications without notice. Customers must ensure that goods are suitable for the purpose intended.

01

Tyre Service Hammer

TBID

NEW!

The GROZ Tyre Service Hammer is a unique tyre & wheel service hammer, designed to remove tyres from the tyre bead

The fully forged hammer head incorporates :

- **Bead breaking Wedge:** Convex shape wedge penetrates the tyre bead effectively. Groove on the convex shape creates easy passage for the tyre lube into the bead.
- **Top hook:** Used as a wheel tipper to break the bead on the other side of the wheel
- **Sledge edge:** A hook to drag the tyre into position

Indestructible handle is made from spring steel bars that runs through the handle.

Bars are locked with the hammer head using steel locking plates ensuring that the head never gets dislodged

Ergonomic rubber grip handle absorbs vibrations & reduces fatigue

Special bonding process ensures that the head never gets loose from the handle.



Convex shaped wedge penetrates the tyre bead & loosens it



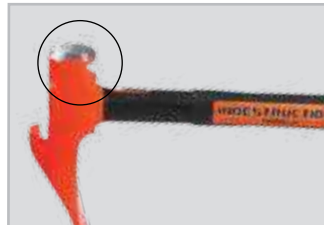
Steel Locking Plate



Top Hook used to tip wheel to change sides



Spring Steel Bars



Sledge Edge with a hook to drag tyre into position



Ergonomic Rubber Grip Handle

FEATURES

TEMPERATURE RANGE
-10°C TO 50°C

ORDERING INFORMATION

CAT NR.	HEAD WEIGHT			HANDLE LENGTH		SPRING STEEL BARS	BOX QTY.
	(GMS)	(KG)	(LBS)	(INCH)	(MM)		
TBID/5/20	2200	2.2	5	20	500	4	8
TBID/10/32	4500	4.5	10	32	800	6	8

Refer to the GROZ Main Catalogue CI-31 for the complete range of Indestructible Handle Hammers

Comprehensive 65 piece professional tool assortment in metric sizes, ideal for general purpose repair use in automotive workshops, garages & service centres

Heavy duty die cast aluminium tool box for increased durability



QTY	CONTENTS	SIZE
20 pcs	Hex Sockets	1/2" Dr. - 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 27, 30, 32 mm
18 pcs	Deep Offset Combination Spanners	6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 24 mm
1 pc	Ratchet Handle	1/2" Dr.
2 pcs	Extension Bars	1/2" Dr. - 125 & 250 mm (5" & 10")
1 pc	Universal Joint	1/2" Dr.
7 pcs	Long Metric Hexagonal & Ball End Keys	2, 3, 4, 5, 6, 8, 10 mm
1 pc	Sliding T Bar	1/2" Dr.
2 pcs	Spark Plug Socket	1/2" Dr. - 16 & 21 mm
1 pc	Heavy Duty Pin Punch	6 mm
1 pc	Locking Plier	250 mm (10")
1 pc	Ball Pein Hammer - Hickory Wood	456 gms
4 pcs	Philips Screwdriver	Ph 2x38 mm, Ph 1x75 mm, Ph 2x100 mm, Ph 3x150 mm
6 pcs	Slotted Screwdriver	6.5x3.8 mm, 3x75 mm, 4x100 mm, 6.5x100 mm, 6.5x150 mm, 8x150 mm
1 pc	Aluminium Tool Box	460 x 240 x 220 mm

ORDERING INFORMATION

CAT NR.	BOX QTY.
MTB/5AL/66/AU	1

Refer to the GROZ Main Catalogue CI-31 for the complete range of Tool Trolleys & Tool Bags

03

Aluminium Tool Box

MTB/5/AL

- ✓ Ultra Safe
- ✓ Ultra Light
- ✓ Super Strong
- ✓ Weather Proof
- ✓ Rust Proof
- ✓ Dent Proof
- ✓ Theft Proof

Full aluminum die cast construction super light yet strong and sturdy.

No spot welds

No over lapping compartments

Full spread visibility

Cast-In lid hinges with non-removable pins

Extra large size for holding a whole lot of tools

Attractive powder coated finish

Lockable: Keeps contents safe

CAT. NR.	DIMENSIONS		WEIGHT (KG)	BOX QTY.
	(INCH)	(MM)		
MTB/5/AL	18.1 X 9.45 X 8.66	460 X 240 X 220	6.7	1



* Supplied without tools

04 153+1 Piece Automotive Tool Kit

153+1 Piece Automotive Tool Kit is a versatile set with an organized layout making it convenient to find the tool you are looking for

Ideal for maintenance and service work on automobiles

NEW!



Tools supplied with trolley



QUANTITY	CONTENTS OF TOOL TROLLEY	SIZE
13 pcs	1/4" Hex Sockets	4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13, 14 mm
7 pcs	1/4" Hex Bit Sockets	3, 4, 5, 6, 7, 8, 10 mm
3 pcs	1/4" Slotted Bit Sockets	4, 5.5, 7 mm
3 pcs	1/4" Philips Bit Sockets	PH1, PH2, PH3
8 pcs	1/4" Torx Bit Sockets	T8, T10, T15, T20, T25, T27, T30, T40
9 pcs	1/4" Hex Sockets Deep	5, 6, 7, 8, 9, 10, 11, 12, 13 mm
9 pcs	Extra Long Hexagon & Ball End Keys	1.5, 2, 2.5, 3, 4, 5, 6, 8, 10 mm
1 pc	Ratchet Handle	1/4"
3 pcs	1/4" Pozi Bit Sockets	PZ1, PZ2, PZ3
3 pcs	1/4" Extension Bar	50, 100, 150 mm
1 pc	Universal Joint	1/4"
1 pc	LED Flashlight with Telescopic Magnetic Pick-Up	Extends from 17-55 cm
1 pc	Spinner Handle	1/4"
1 pc	Sliding T Bar	1/4"
22 pcs	1/2" Bi-Hex Sockets	8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 30, 32 mm
1 pc	Sliding T Bar	1/2"
2 pcs	1/2" Spark Plug Socket	16, 21 mm
1 pc	Ratchet handle	1/2"
1 pc	1/2" Power Bar	375 mm
2 pcs	1/2" Extension Bar	125, 250 mm
1 pc	Ratcheting Torque Wrench	40-200 Nm
1 pc	Universal Joint	1/2"
1 pc	Combination Plier	200 mm
1 pc	Diagonal Cutting Plier	200 mm
1 pc	Long Nose Plier	200 mm
1 pc	Water Pump Plier	250 mm
1 pc	Circlip Plier - Internal Straight	175 mm
1 pc	Circlip Plier - Internal Bent	175 mm
1 pc	Circlip Plier - External Straight	175 mm
1 pc	Circlip Plier - External Bent	175 mm
1 pc	Adjustable Wrench	375 mm
1 pc	Locking Plier	250 mm
8 pcs	Tamper Torx Star Keys	T9, T10, T15, T20, T25, T27, T30, T40
7 pcs	Flat Screwdriver	3x75, 4x100, 4x100, 6.5x38, 6.5x100, 6.5x150, 8.0x150 mm
4 pcs	Philips Screwdriver	PH1x75, PH2x100, PH2x38, PH3x150
25 pcs	Offset Combination Spanners	6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30 mm
5 pcs	Offset Ratcheting Ring Spanners	6x8, 10x11, 13x14, 15x17, 19x21 mm
1 pc	Tool Trolley	686 x 457 x 985 mm

CAT NR.	BOX QTY.
MTB/7/154/AU	1

05

7 Drawer Portable Workstation

MTB-7

Manufactured from heavy gauge steel sheet

Heavy duty side handles for easy movement of cabinet

Double wall steel construction for high durability

4 Heavy duty castors - 2 fixed & 2 swivel with toe lock for safety & better mobility

Corrosion resistant powder coated finish

Average Drawer Load Capacity: 45 kg

Drawers with ball bearing slides. All drawers lined with 2mm vinyl sheet

Trolley Load Capacity: 450 kg

Centralized keyed locking system for added security. Single operation for opening all drawers

NEW!

Single operation locking/ unlocking system

Rubber mat to avoid scratches



Heavy duty side handle

Self locking ball bearing drawer slides

Double wall steel construction

Castors feature 2 fixed and 2 swivel with toe lock

ORDERING INFORMATION

CAT NR.	DIMENSION		BOX QTY.
	(MM)	(INCH)	
MTB/7	686 × 457 × 985	27 × 18 × 39	1

06

5 Tray Cantilever Tool Box with Trolley

MTB-5T

General purpose cantilever tool box with trolley

Lid incorporates provision for padlock

Tool Box is manufactured from heavy gauge steel sheet

Toolbox comes with 4 wheel trolley made from heavy gauge steel sheet. Heavy duty castors for convenient movement in the workshop / garage

Corrosion resistant powder coated finish

Full spread cantilever mechanism gives quick & easy access to all stored parts

Load Capacity: 35 kg

Trays open automatically when handle is depressed & close when lifted

NEW!



Full Spread



ORDERING INFORMATION

CAT NR.	LENGTH	WIDTH	BOX QTY.
	(MM)	(INCH)	
MTB/5T	440 X 200	17-5/16 X 7-7/8	1

The GROZ Hydraulic Bottle Jacks come with a "Load Limiting Device" a unique safety feature to make sure that the jack is not accidentally used beyond the rated capacity.

WELDED CONSTRUCTION for leak - proof performance.

FORGED STEEL BASE PLATE for higher stability even under high load as compared to cast iron base plate jacks

Machined and polished RAM with die cut threads that reduce wear and tear

Powder coated 2 piece lifting lever rod with pressed ends for convenient opening & closing of pressure release valve

Increased durability due to internally machined oil passages, smooth bearing surfaces and close tolerances.

Knurled heat treated saddle head with non-slip surface for stronger grip

100% factory tested

50% safety overload factor

Ideal for use on heavy duty trucks, agriculture, construction, mining, automotive, and marine applications where lifting, pushing, spreading, bending, pressing, or straightening is required.



NEW!

Knurled saddle head for non - slip grip

Leak Proof welded construction

Convenient carrying handle

Compact 2 pc lifting lever rod

Pressure release valve

Base Plate

Machined and polished ram

Pump socket

Leak proof welded construction

Load limiting device



12 TON

VARIANTS



4 TON



20 TON



32 TON



50 TON

ORDERING INFORMATION

CAT NR.	LIFT RANGE		CAPACITY		IDEAL FOR USE WITH	BOX QTY.
	(MM)	(INCH)	(TON)	(KG)		
JACK/BT/4W	190 - 368	7 7/16 - 14 13/16	4	3629	Passenger cars, taxi, Pick-up trucks, SUV, MUV, vans, LCV, mini trucks	1
JACK/BT/12W	230 - 465	9 1/16 - 18 5/16	12	10886	HCV, Trucks (9-24 ton), Buses	1
JACK/BT/20W	240 - 450	9 7/16 - 17 11/16	20	18144	HCV, Trucks (24 - 40 ton)	1
JACK/BT/32W	260 - 420	10 5/16 - 16 9/16	32	29030	Trailers, Dumpers (40 - 60 ton), RV's	1
JACK/BT/50W	280 - 450	11 - 17 11/16	50	45359	Dumpers (60 - 120 tons)	1

08

Tyre Levers

TLV

Professional quality straight pattern tyre levers

NEW!

Forged from Carbon Steel

Nickel plated for protection against corrosion



ORDERING INFORMATION

CAT NR.	LENGTH		BOX QTY
	(INCH)	(MM)	
TLVR/16	16	400	10
TLVR/21	21	530	10
TLVR/24	24	600	10

09

Roll Head Pry Bars

PRY

Fully forged from Chrome Steel

NEW!

Hardened 38-43 HRC & tempered

Specifically designed for heavy prying & fulcrum prying in automotive applications

The tapered end is useful for aligning applications.



ORDERING INFORMATION

CAT NR.	LENGTH		STOCK SIZE		BOX QTY.
	(INCH)	(MM)	(INCH)	(MM)	
PRY/12	12	300	7/16	11	10
PRY/16	16	400	9/16	14	10
PRY/20	20	500	11/16	17	8

10

Gear / Bearing Pullers

BPL

Pullers with 2 or 3 jaw options for external & internal pulling of gears, bearings etc.

bolt & head for max strength
Rolled threads on spindle for higher strength & smooth movement

Forged chrome vanadium jaws with long & short reach options

2 Jaw models are useful for working in compact spaces

Heat treated alloy steel cross

3 Jaw option ensures equal load distribution

NEW!

ORDERING INFORMATION

CAT NR.	MAX. REACH	SPREAD RANGE	SCREW SIZE	SAFE WORKING LOAD	BOX QTY.
	(MM)	(MM)	(MM)	(TONNE)	
2 JAW					
BPL/2J/3	75	37-75	125	2	5
BPL/2J/4	100	50-100	154	4	5
BPL/2J/6	150	75-150	233	6	5
BPL/2J/8	200	100-200	315	10	1
3 JAW					
BPL/3J/3	75	37-75	125	3	5
BPL/3J/4	100	50-100	154	6	5
BPL/3J/6	150	75-150	233	9	1
BPL/3J/8	200	100-200	315	15	1



2 JAW

3 JAW



3 Jaw Puller used for removing tyre hub

11

Screw Extractor Set

Manufactured from Chrome Molybdenum Steel

5 pc Screw Extractor Set with drill sizes: 1, 2, 3, 4 & 5 mm

Ideal to remove broken stubs, pipes, screws & bolts

Comes complete in a plastic box

NEW!

CHROME MOLYBDENUM
CrMo



ORDERING INFORMATION

CAT NR.	BOX QTY.
SCE/5	10

12

Oil Filter Wrench

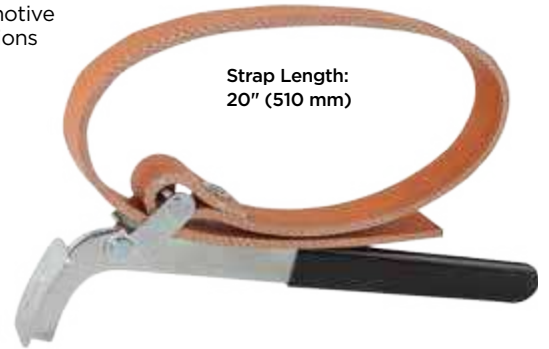
Plated steel body

Designed to remove engine oil filters upto 4" (100 mm) diameter

Comfortable vinyl grip

Ideal for use in automotive applications

NEW!



ORDERING INFORMATION

CAT NR.	STRAP LENGTH		FOR FILTER DIA.	BOX QTY.
	(INCH)	(MM)		
OFW/S/8	20	510	UPTO 4" (100 mm)	10

13

Piston Ring Compressors

PRC

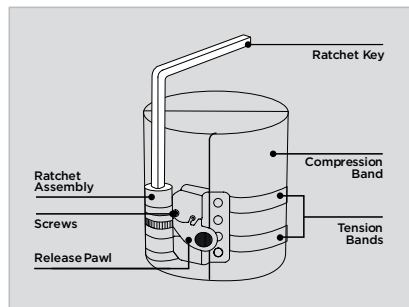
Made from high grade spring steel

Self locking ratchet pawl prevents premature release

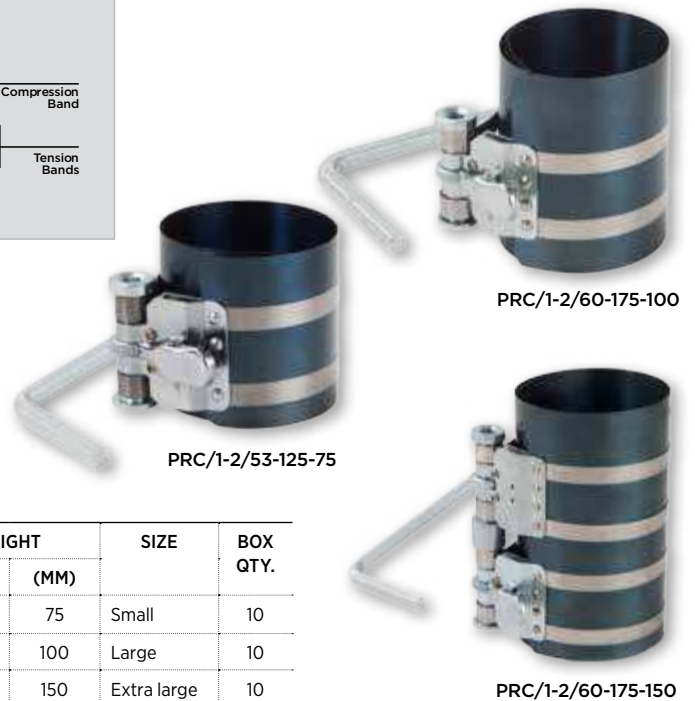
Friction proof edge allows smooth & accurate piston fitting operation

Tension band eliminates bottom flare

Ratchet key included



NEW!



ORDERING INFORMATION

CAT NR.	MAX. RING DIA.		MIN. RING DIA.		HEIGHT		SIZE	BOX QTY.
	(INCH)	(MM)	(INCH)	(MM)	(INCH)	(MM)		
PRC/1-2/53-125-75	5	125	2-1/2	53	3	75	Small	10
PRC/1-2/60-175-100	7	175	2-3/8	60	4	100	Large	10
PRC/1-2/60-175-150	7	175	2-3/8	60	6	150	Extra large	10

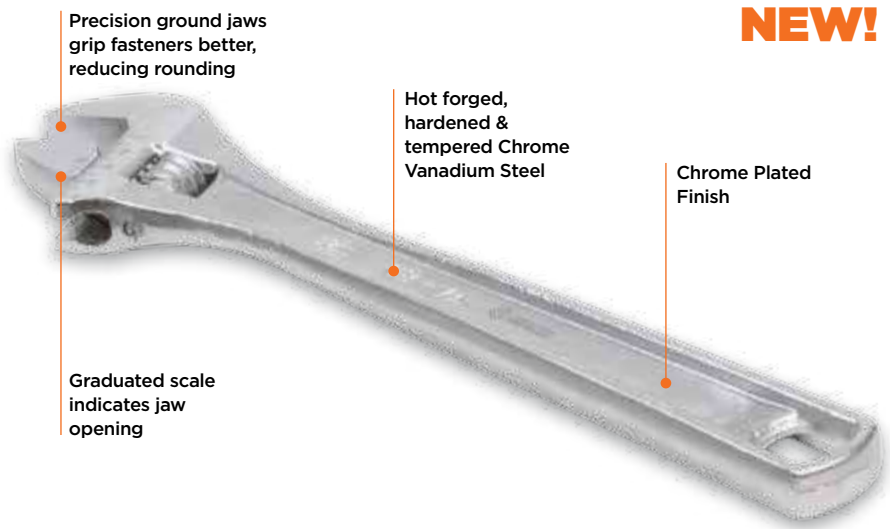
14 Adjustable Wrenches AWR

Adjustable Wrench is a spanner with a jaw of adjustable width. This allows the same wrench to be used with varying sizes of nuts & bolts unlike conventional fixed spanners

The same wrench can be used with both metric & imperial fasteners

FEATURES

CHROME VANADIUM	FORGED CONSTRUCTION	HARDNESS
		38-46 HRC



NEW!

ORDERING INFORMATION

CAT NR.	LENGTH		OPENING		TORQUE (KGF-M)	BOX QTY.
	(INCH)	(MM)	(INCH)	(MM)		
AWR/CV/8	8	200	15/16	24	148	10
AWR/CV/10	10	250	1	27	245	10
AWR/CV/12	12	300	1-5/16	34	392	10

NOTE
Ensure that fixed jaw leads the rotation & movable jaws follows the fixed jaw. This way, there will be less stress on the movable jaw which is not supported as ruggedly as the fixed jaw



15 Self Locking Pliers SLP

Manufactured from Chrome Molybdenum steel

Induction hardened jaws

Jaws designed for maximum torque with minimum input pressure

Non-pinch & rubberised non-slip grip for fatigue free use

Curved jaw design grips nut and bolt head with high pressure on four points, which provides powerful tightening for applications requiring high torque

Spring loaded release mechanism provides controlled release making it ideal for applications in restricted space.

Wide adjustment screw coupled with rolled thread spindle provides for smoother adjustment of pressure on the work-piece

NEW!



ORDERING INFORMATION

CAT NR.	LENGTH		BOX QTY.
	(INCH)	(MM)	
SLP/7C	7	175	5
SLP/10C	10	250	5

FEATURES

INDUCTION HARDENED	FORGED CONSTRUCTION	CHROME MOLYBDENUM
		CrMo

NEW!

A brand new range of premium quality screwdrivers from GROZ

Superior S2 steel shaft for higher torque & wear resistance compared to regular screwdrivers

Hexagonal shaft extends into the handle, ensuring full transfer of force. Multi-component injection moulded hexagonal grip is non-slip & does not roll away

Magnetised tip is accurately hardened ensuring a long service life & has a black oxide finish for enhanced corrosion resistance



FEATURES

S2 STEEL	HARDNESS	HEX SHANK
S2	38-46 HRC	

ORDERING INFORMATION

CAT NR.	TYPE	SIZE	L1	L2	H	BOX QTY.
			(MM)	(MM)	(MM)	
SCDR/H/FL3/75		0.8x3.0	75	90	4	20
SCDR/H/FL4/100		0.8x4.0	100	90	4	20
SCDR/H/FL6.5/38		1.2x6.5	38	55	6	20
SCDR/H/FL6.5/100		1.2x6.5	100	105	6	20
SCDR/H/FL6.5/150		1.2x6.5	150	105	6	15
SCDR/H/FL8/150		1.2x8.0	150	120	8	15
SCDR/H/PH1/75		PH1	75	90	5	20
SCDR/H/PH2/38		PH2	38	55	6	20
SCDR/H/PH2/100		PH2	100	105	6	20
SCDR/H/PH3/150		PH3	150	120	8	15



Hex shaft can be tightened using a spanner for high torque applications

SOCKETS & ACCESSORIES

A range of sockets, ratchets & accessories designed to fit & built to perform

ACC DIN 3120 & ISO 3315 specifications

The range includes:

- Hex Sockets
- Bi-Hex Sockets
- Socket Sets
- Socket Accessories
- Ratchet Handles

These are designed for use in professional automotive workshops, on agricultural / construction machinery & for several other industrial applications. Manufactured & tested to the highest standards these are guaranteed to perform.



THE GROZ SOCKETS

Chrome Vanadium Construction

Cold forging from high quality chrome vanadium steel, precisely hardened for increased durability

Ultra Premium Finish*

High quality attractive ultra premium finish provides a scratch proof surface with enhanced protection against corrosion.

Super Grip Profile*

GROZ Sockets incorporate the super grip profile that features round points facilitating contact between socket wall & fastener wall, keeping pressure off the corners

This ensures:

1. Transmission of higher torque
2. Firm grip & enhanced engagement
3. Increased durability: Stress concentration in corners eliminated

Knurled Band**

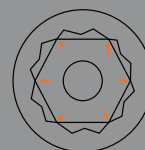
Provides a non-slip grip even in slippery applications found usually in workshops

Marking & Branding

Branding & size stamped on each individual socket ensures quick and convenient identification

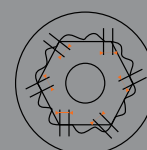


SUPER GRIP PROFILE*



STANDARD PROFILE

Stress applied to edges



GROZ SUPER GRIP* PROFILE

Larger contact area between socket & fastener

*Only on 1/4", 3/8" & 1/2" sockets

**Only on 1/4", 3/8" & 1/2" sockets



GROZ offers

1. Hex Sockets with 6 Point Contact

Specially engineered to fit onto & securely grip even damaged fasteners making sure that the GROZ Socket works when others cannot

Also prevents further damage to fastener by gripping sides only & not the corners of the fasteners

2. Bi-Hex Sockets with 12 Point Contact

12 Point / Bi-Hex Sockets have more points of contact so there are more angles at which the socket will fit onto a fastener.

This allows user to conveniently fasten different bolts such as square, hex, octagonal etc.

CONFORMS TO

DIN 3120

All GROZ sockets meet or exceed DIN 3120 Standard by 20%

1/4" Sockets

CAT NR.	SIZE	BOX QTY.
	(MM)	
HEX SOCKETS		
SKT/H/1-4/4/UG	4	10
SKT/H/1-4/4.5/UG	4.5	10
SKT/H/1-4/5/UG	5	10
SKT/H/1-4/5.5/UG	5.5	10
SKT/H/1-4/6/UG	6	10
SKT/H/1-4/7/UG	7	10
SKT/H/1-4/8/UG	8	10
SKT/H/1-4/9/UG	9	10
SKT/H/1-4/10/UG	10	10
SKT/H/1-4/11/UG	11	10
SKT/H/1-4/12/UG	12	10
SKT/H/1-4/13/UG	13	10
SKT/H/1-4/14/UG	14	10
HEX BIT SOCKETS		
SKT/1-4/H3/UG	3	10
SKT/1-4/H4/UG	4	10
SKT/1-4/H5/UG	5	10
SKT/1-4/H6/UG	6	10
SKT/1-4/H7/UG	7	10
SKT/1-4/H8/UG	8	10
TORX BIT SOCKETS		
SKT/1-4/T8/UG	T8	10
SKT/1-4/T10/UG	T10	10
SKT/1-4/T15/UG	T15	10
SKT/1-4/T20/UG	T20	10
SKT/1-4/T25/UG	T25	10
SKT/1-4/T30/UG	T30	10
SKT/1-4/T40/UG	T40	10
SLOTTED BIT SOCKETS		
SKT/1-4/S4/UG	4	10
SKT/1-4/S5.5/UG	5.5	10
SKT/1-4/S7/UG	7	10
PHILIPS BIT SOCKETS		
SKT/1-4/PH1/UG	PH1	10
SKT/1-4/PH2/UG	PH2	10
SKT/1-4/PH3/UG	PH3	10
1/4" SQUARE DRIVE POZI BIT SOCKETS		
SKT/1-4/PZ1/UG	PZ1	10
SKT/1-4/PZ2/UG	PZ2	10
SKT/1-4/PZ3/UG	PZ3	10

3/8" Sockets

CAT NR.	CAT NR.	SIZE	BOX QTY.
		(MM)	
HEX			
SKT/H/3-8/6/UG	◆ SKT/BH/3-8/6/UG	6	15
SKT/H/3-8/7/UG	◆ SKT/BH/3-8/7/UG	7	15
SKT/H/3-8/8/UG	◆ SKT/BH/3-8/8/UG	8	15
SKT/H/3-8/9/UG	◆ SKT/BH/3-8/9/UG	9	15
SKT/H/3-8/10/UG	◆ SKT/BH/3-8/10/UG	10	15
SKT/H/3-8/11/UG	◆ SKT/BH/3-8/11/UG	11	15
SKT/H/3-8/12/UG	◆ SKT/BH/3-8/12/UG	12	15
SKT/H/3-8/13/UG	◆ SKT/BH/3-8/13/UG	13	15
SKT/H/3-8/14/UG	◆ SKT/BH/3-8/14/UG	14	15
SKT/H/3-8/15/UG	◆ SKT/BH/3-8/15/UG	15	12
SKT/H/3-8/16/UG	◆ SKT/BH/3-8/16/UG	16	12
SKT/H/3-8/17/UG	◆ SKT/BH/3-8/17/UG	17	10
SKT/H/3-8/18/UG	◆ SKT/BH/3-8/18/UG	18	10
SKT/H/3-8/19/UG	◆ SKT/BH/3-8/19/UG	19	10
SKT/H/3-8/20/UG	◆ SKT/BH/3-8/20/UG	20	8
SKT/H/3-8/21/UG	◆ SKT/BH/3-8/21/UG	21	8
SKT/H/3-8/22/UG	◆ SKT/BH/3-8/22/UG	22	6



1/2" Sockets

CAT NR.	CAT NR.	SIZE	BOX QTY.
		(MM)	
HEX	BI-HEX		
SKT/H/1-2/8/UG	♦ SKT/BH/1-2/8/UG	8	15
SKT/H/1-2/9/UG	♦ SKT/BH/1-2/9/UG	9	15
SKT/H/1-2/10/UG	♦ SKT/BH/1-2/10/UG	10	15
SKT/H/1-2/11/UG	♦ SKT/BH/1-2/11/UG	11	15
SKT/H/1-2/12/UG	♦ SKT/BH/1-2/12/UG	12	15
SKT/H/1-2/13/UG	♦ SKT/BH/1-2/13/UG	13	15
SKT/H/1-2/14/UG	♦ SKT/BH/1-2/14/UG	14	15
SKT/H/1-2/15/UG	♦ SKT/BH/1-2/15/UG	15	12
SKT/H/1-2/16/UG	♦ SKT/BH/1-2/16/UG	16	12
SKT/H/1-2/17/UG	♦ SKT/BH/1-2/17/UG	17	10
SKT/H/1-2/18/UG	♦ SKT/BH/1-2/18/UG	18	10
SKT/H/1-2/19/UG	♦ SKT/BH/1-2/19/UG	19	10
♦ SKT/H/1-2/20/UG	♦ SKT/BH/1-2/20/UG	20	8
SKT/H/1-2/21/UG	♦ SKT/BH/1-2/21/UG	21	6
SKT/H/1-2/22/UG	♦ SKT/BH/1-2/22/UG	22	6
SKT/H/1-2/23/UG	♦ SKT/BH/1-2/23/UG	23	6
SKT/H/1-2/24/UG	♦ SKT/BH/1-2/24/UG	24	6
♦ SKT/H/1-2/25/UG	♦ SKT/BH/1-2/25/UG	25	6
SKT/H/1-2/26/UG	♦ SKT/BH/1-2/26/UG	26	4
SKT/H/1-2/27/UG	♦ SKT/BH/1-2/27/UG	27	4
SKT/H/1-2/28/UG	♦ SKT/BH/1-2/28/UG	28	4
SKT/H/1-2/29/UG	♦ SKT/BH/1-2/29/UG	29	4
SKT/H/1-2/30/UG	♦ SKT/BH/1-2/30/UG	30	4
SKT/H/1-2/32/UG	♦ SKT/BH/1-2/32/UG	32	4
♦ SKT/H/1-2/33/UG	♦ SKT/BH/1-2/33/UG	33	2
♦ SKT/H/1-2/36/UG	♦ SKT/BH/1-2/36/UG	36	2

1/2" Sockets - Deep

CAT NR.	SIZE	BOX QTY.
	(MM)	
HEX		
SKT/H/1-2/10D/UG	10	15
SKT/H/1-2/11D/UG	11	15
SKT/H/1-2/12D/UG	12	15
SKT/H/1-2/13D/UG	13	15
SKT/H/1-2/14D/UG	14	15
SKT/H/1-2/15D/UG	15	12
SKT/H/1-2/16D/UG	16	12
SKT/H/1-2/17D/UG	17	10
SKT/H/1-2/18D/UG	18	10
SKT/H/1-2/19D/UG	19	10
SKT/H/1-2/21D/UG	21	8
SKT/H/1-2/22D/UG	22	6
SKT/H/1-2/23D/UG	23	6
SKT/H/1-2/24D/UG	24	6
SKT/H/1-2/26D/UG	26	6
SKT/H/1-2/27D/UG	27	6
SKT/H/1-2/28D/UG	28	4
SKT/H/1-2/29D/UG	29	4
SKT/H/1-2/30D/UG	30	4
SKT/H/1-2/32D/UG	32	4

3/4" Sockets

CAT NR.	SIZE	BOX QTY.
	(MM)	
BI-HEX		
♦ SKT/BH/3-4/22/MT	22	6
♦ SKT/BH/3-4/24/MT	24	6
♦ SKT/BH/3-4/27/MT	27	6
♦ SKT/BH/3-4/30/MT	30	4
♦ SKT/BH/3-4/32/MT	32	4
♦ SKT/BH/3-4/36/MT	36	4
♦ SKT/BH/3-4/38/MT	38	4
♦ SKT/BH/3-4/41/MT	41	4
♦ SKT/BH/3-4/46/MT	46	4
♦ SKT/BH/3-4/50/MT	50	2



1" Sockets

CAT NR.	SIZE	BOX QTY.
	(MM)	
BI-HEX		
♦ SKT/BH/0-1/36/MT	36	4
♦ SKT/BH/0-1/41/MT	41	4
♦ SKT/BH/0-1/46/MT	46	4
♦ SKT/BH/0-1/50/MT	50	2
♦ SKT/BH/0-1/55/MT	55	2
♦ SKT/BH/0-1/60/MT	60	2
♦ SKT/BH/0-1/65/MT	65	1
♦ SKT/BH/0-1/70/MT	70	1
♦ SKT/BH/0-1/75/MT	75	1
♦ SKT/BH/0-1/80/MT	80	1

♦ NEW

ORDERING INFORMATION

CAT NR.	DESCRIPTION	BOX QTY.
SOCKET SETS ON PLASTIC RAILS		
KIT/SKT/H/1-4/9LH/UG	9 pc Socket Set - 1/4" Dr. 8 pcs Sockets: 4, 4.4, 5, 5.5, 6, 7, 8, 10 mm 1 pc Ratchet Handle	5
KIT/SKT/H/1-4/13L/UG	13 pc Socket Set - 1/4" Dr. Sockets : 4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13, 14 mm	5
KIT/SKT/H/3-8/8L/UG	8 pc Socket Set - 3/8" Dr. Sockets: 6, 8, 10, 12, 13, 14, 17, 19 mm	5
KIT/SKT/H/3-8/9LH/UG	9 pc Socket Set - 3/8" Dr. 8 pcs Sockets: 6, 8, 10, 12, 13, 14, 17, 19 mm 1 pc Ratchet Handle	5
KIT/SKT/H/1-2/9L/UG	9 pc Socket Set - 1/2" Dr. Sockets: 8, 9, 10, 12, 13, 14, 17, 19, 22 mm	5
KIT/SKT/H/1-2/11LH/UG	11 pc Socket Set - 1/2" Dr. 10 pcs Sockets: 8, 9, 10, 12, 13, 14, 17, 19, 22, 24 mm 1 pc Ratchet Handle	5
◆ KIT/BIT-SKT/SPL/1-2/6/UG	6 pc Spline Bit Socket Set - 1/2" Dr. Spline Bit Sockets: 55mm length: M6, M8, M10 100mm length: M8, M10, M12;	5
◆ KIT/BIT-SKT/H/1-2/8/UG	8 pc Hex Bit Socket Set - 1/2" Dr. Hex Bit Sockets: 5, 6, 7, 8, 10, 12, 14, 17 mm	5
◆ KIT/BIT-SKT/TX/1-2/9/UG	9 pc Torx Bit Socket Set - 1/2" Dr. Torx Bit Socket: T20, T25, T27, T30, T40, T45, T50, T55, T60	5
SOCKET SETS IN BLOW MOULDED CASES		
◆ KIT/SKT/H/1-4/19/UG	19 pc Socket Set - 1/4" Dr. 13 pcs Sockets: 4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13, 14 mm 1 pc Ratchet Handle 2 pcs Extension Bars: 50 & 100 mm (2" & 4") 1 pc Universal Joint, 1 pc Sliding T Bar, 1 pc Spinner Handle	10
KIT/SKT/H/1-4/42/UG	42 pc Socket Set - 1/4" Dr. 13 pcs Sockets: 4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13, 14 mm 6 pcs Hex Bit Sockets: 3, 4, 5, 6, 7, 8 mm 3 pcs Slotted Bit Sockets: 4.5, 5, 7 mm 3 pcs Phillips Bit Sockets: PH1, PH2, PH3 3 pcs Pozi Bit Sockets: PZ1, PZ2, PZ3 7 pcs Torx Bit Sockets: T8, T10, T15, T20, T25, T30, T40 2 pcs Extension Bar: 50 & 100 mm (2" & 4") 1 pc Spinner Handle, 1 pc Flexible Extension, 1 pc Universal Joint, 1 pc Sliding T Bar, 1 pc Ratchet Handle	10
◆ KIT/SKT/H/1-2/13/UG	13 pc Socket Set - 1/2" Dr. 11 pcs Sockets: 8, 9, 10, 11, 12, 13, 14, 15, 17, 19, 22 mm 1 pc Ratchet Handle 1 pc Extension Bar: 125 mm (5")	5



KIT/SKT/H/1-4/9LH/UG
9 pc Socket Set
1/4" Dr.



KIT/SKT/H/1-4/13L/UG
13 pc Socket Set
1/4" Dr.



KIT/SKT/H/3-8/8L/UG
8 pc Socket Set
3/8" Dr.

CAT NR.	DESCRIPTION	BOX QTY.
KIT/SKT/H/1-2/27/UG	27 pc Socket Set - 1/2" Dr. 22 pcs Sockets: 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 21, 22, 23, 24, 26, 27, 28, 29, 30, 32 mm 2 pcs Extension Bar: 125 & 150 mm (5" & 10") 1 pc Universal Joint, 1 pc Sliding T Bar, 1 pc Ratchet Handle	5

SOCKET SETS IN METAL CASES		
◆ KIT/SKT/H/3-4/14/MT	14 pc Socket Set - 3/4" Dr. 10 pcs Sockets: 22, 24, 27, 30, 32, 36, 38, 41, 46, 50mm 1 pc Round Head Ratchet Handle 2 pc Extension Bar: 100 & 200 mm (4" & 8") 1 pc Sliding T Bar	1
◆ KIT/SKT/H/0-1/14/MT	14 pc Socket Set - 1" Dr. 10 pcs Sockets: 36, 41, 46, 50, 55, 60, 65, 70, 75, 80 mm 1 pc Ratchet Handle 2 pc Extension: 200 & 400 mm (8" & 16") 1 pc Sliding T Bar	1

SOCKET MERCHANDISER		
SKT/H/1-2/UG/ST50	Socket Merchandiser with 49 sockets of following sizes: 10 mm (7), 13 mm (7), 17 mm (7), 19 mm (6), 22 mm (5), 24 mm (5), 27 mm (4), 30 mm (4), 32 mm (4)	1

◆ NEW



KIT/SKT/H/3-8/9LH/UG
9 pc Socket Set
3/8" Dr.



KIT/SKT/H/1-2/9L/UG
9 pc Socket Set
1/2" Dr.



KIT/SKT/H/1-2/11LH/UG
11 pc Socket Set
1/2" Dr.



KIT/BIT-SKT/SPL/1-2/6/UG
6 pc Spline Bit
Socket Set 1/2" Dr.



KIT/BIT-SKT/H/1-2/8/UG
8 pc Hex Bit
Socket Set 1/2" Dr.



KIT/BIT-SKT/TX/1-2/9/UG
9 pc Torx Bit
Socket Set 1/2" Dr.



KIT/SKT/H/1-4/19/UG
19 pc Socket Set 1/4" Dr.



KIT/SKT/H/1-4/42/UG
42 pc Socket Set
1/4" Dr.



KIT/SKT/H/1-2/13/UG
13 pc Socket Set
1/2" Dr.



KIT/SKT/H/1-2/27/UG
27 pc Socket Set
1/2" Dr.



KIT/SKT/H/3-4/14/MT
14 pc Socket Set
3/4" Dr.



KIT/SKT/H/0-1/14/MT
14 pc Socket Set
1" Dr.



SKT/H/1-2/UG/ST50
49 pc Socket Merchandiser

SLIDING T BAR

Manufactured from high quality chrome vanadium steel. Sliding bar gives many options for leverage within a given space



ORDERING INFORMATION

CAT NR.	DRIVE	LENGTH	BOX QTY.
	(INCH)	(MM)	
SLTB/1-4/UG	1/4	115	10
◆ SLTB/3-8/UG	3/8	165	10
SLTB/1-2/UG	1/2	250	5
◆ SLTB/3-4/MT	3/4	450	1
◆ SLTB/0-1/MT	1	550	1

◆ NEW

UNIVERSAL JOINT

Chrome Vanadium Construction. Hinged through 180° in both directions. Helps the user to 'form corners' or to get socket onto inaccessible bolt heads

ORDERING INFORMATION

CAT NR.	DRIVE	BOX QTY.
	(INCH)	
UVJ/1-4/UG	1/4	10
UVJ/3-8/UG	3/8	5
UVJ/1-2/UG	1/2	5
◆ UVJ/3-4/UG	3/4	5

◆ NEW



EXTENSION BAR

Manufactured from high quality chrome vanadium steel. Used along with a socket to reach into confined spaces

ORDERING INFORMATION

CAT NR.	DRIVE	LENGTH	BOX QTY.
	(INCH)	(MM)	
DRXB/1-4/2/UG	1/4	50	10
DRXB/1-4/4/UG	1/4	100	10
DRXB/3-8/3/UG	3/8	75	5
DRXB/3-8/6/UG	3/8	150	5
DRXB/1-2/5/UG	1/2	125	5
DRXB/1-2/10/UG	1/2	250	5
◆ DRXB/3-4/4/MT	3/4	100	10
◆ DRXB/3-4/8/MT	3/4	200	5
◆ DRXB/0-1/8/MT	1	200	5
◆ DRXB/0-1/16/MT	1	400	2



Chrome Vanadium Construction

◆ NEW

ADAPTOR

For using a combination of square sockets in one application



ORDERING INFORMATION

CAT NR.	SIZE	BOX QTY.
◆ SADP/1-4F/3-8M/UG	1/4" (F) to 3/8" (M)	5
SADP/3-8F/1-4M/UG	3/8" (F) to 1/4" (M)	5
SADP/3-8F/1-2M/UG	3/8" (F) to 1/2" (M)	5
SADP/1-2F/3-8M/UG	1/2" (F) to 3/8" (M)	5
SADP/1-2F/3-4M/UG	1/2" (F) to 3/4" (M)	5
◆ SADP/3-4F/1-2M/UG	3/4" (F) to 1/2" (M)	5
◆ SADP/3-4F/0-1M/UG	3/4" (F) to 1" (M)	2
◆ SADP/0-1F/3-4M/UG	1" (F) to 3/4" (M)	2

◆ NEW

FLEX HANDLE / POWER BARS

Manufactured from high quality chrome vanadium steel with ultra premium finish. Hinged joint head and spring - loaded ball joint for secure socket holding

Chrome Molybdenum Square Drive. Replaceable on 3/4" & 1" sizes

ORDERING INFORMATION

CAT NR.	DRIVE	LENGTH	SQUARE DR.	BOX QTY.
	(INCH)	(MM)		
◆ DFH/3-8/9/MT	3/8	225	Fixed	5
DFH/1-2/15/MT	1/2	375	Fixed	5
◆ DFH/3-4/20/MT	3/4	500	Replaceable	5
◆ DFH/0-1/26/MT	1	650	Replaceable	5

◆ NEW



SPEEDER HANDLE

Manufactured from high quality chrome vanadium steel with ultra premium finish. Ideal for nut spinning



ORDERING INFORMATION

CAT NR.	DRIVE	BOX QTY.
	(INCH)	
SPDH/1-2/UG	1/2	5

SPINNER HANDLE

Chrome Vanadium construction. Fit on a socket & spin it for rapid installation of longer bolts.



1/4" (F) square recess allows spinner to be used with a ratchet & also works as a long extension

ORDERING INFORMATION

CAT NR.	DRIVE	BOX QTY.
	(INCH)	
DRSH/1-4/UG	1/4	10



HEX SPARK PLUG SOCKET

Designed for insertion & removal of spark plugs



ORDERING INFORMATION

CAT NR.	SIZE	DRIVE (INCH)	BOX QTY.
	(MM)		
SKT/1-2/SP/16/UG	16	1/2	5
SKT/1-2/SP/21/UG	21	1/2	5

FLEXIBLE ROD

Flexible Rod with compressed spring for use in confined spaces

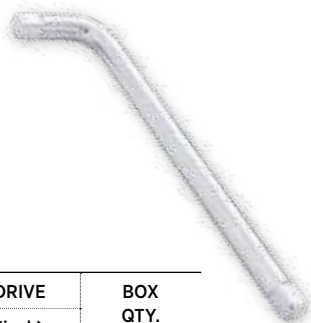


ORDERING INFORMATION

CAT NR.	DRIVE	BOX QTY.
	(inch)	
FLEX/1-4/UG	1/4	10

L HANDLE

Fixed L Handle for applications requiring rigid set-up



ORDERING INFORMATION

CAT NR.	LENGTH	DRIVE (inch)	BOX QTY.
	(inch)		
LDH/1-2/UG	5	1/2	5

GROZ IMPACT SOCKETS

New range of impact sockets from GROZ are designed to withstand high levels of torque & impact applications

Chrome Molybdenum Construction

Forged from high quality Chrome Molybdenum Steel, precision machined & heat treated to provide the best combination of hardness, tensile strength & torque

Specially designed chamfered openings make engagement with the impact tools much easier, thereby saving time and effort

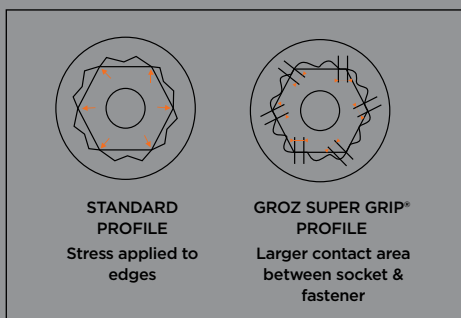
Pin hole in the impact sockets facilitates use with impact tools having pin and ring retaining mechanism

Black Oxide Finish

For enhanced corrosion protection and easy identification from regular sockets

Super Grip Profile

GROZ Sockets incorporate the super grip profile that features round points facilitating contact between socket wall & fastener wall, keeping pressure off the corners



This ensures:

1. Transmission of higher torque
2. Firm grip & enhanced engagement
3. Increased durability: Stress concentration in corners eliminated

Marking & Branding

Branding & size etched on each individual socket ensures quick and convenient identification

For use with air, electric or mechanical impact wrenches

20

Impact Sockets



FEATURES

CHROME MOLYBDENUM	TORQUE	HARDNESS	SUPER GRIP
CrMo	1.5X ANSI 1.3X DIN	 38-55 HRC	

NEW!



ORDERING INFORMATION

CAT NR.	DRIVE	SIZE	BOX QTY.
	(INCH)	(MM)	
1/2" DRIVE HEX SOCKETS			
ISKT/H/1-2/10	1/2	10	15
ISKT/H/1-2/11	1/2	11	15
ISKT/H/1-2/12	1/2	12	15
ISKT/H/1-2/13	1/2	13	15
ISKT/H/1-2/14	1/2	14	15
ISKT/H/1-2/15	1/2	15	12
ISKT/H/1-2/16	1/2	16	12
ISKT/H/1-2/17	1/2	17	10
ISKT/H/1-2/18	1/2	18	10
ISKT/H/1-2/19	1/2	19	10
ISKT/H/1-2/21	1/2	21	8
ISKT/H/1-2/22	1/2	22	6
ISKT/H/1-2/24	1/2	24	6
ISKT/H/1-2/27	1/2	27	6

CAT NR.	DRIVE	SIZE	BOX QTY.
	(INCH)	(MM)	
3/4" DRIVE HEX SOCKETS			
ISKT/H/3-4/17	3/4	17	10
ISKT/H/3-4/19	3/4	19	8
ISKT/H/3-4/21	3/4	21	6
ISKT/H/3-4/22	3/4	22	6
ISKT/H/3-4/24	3/4	24	6
ISKT/H/3-4/26	3/4	26	6
ISKT/H/3-4/27	3/4	27	6
ISKT/H/3-4/29	3/4	29	4
ISKT/H/3-4/30	3/4	30	4
ISKT/H/3-4/32	3/4	32	4
ISKT/H/3-4/33	3/4	33	4
ISKT/H/3-4/35	3/4	35	4
ISKT/H/3-4/36	3/4	36	4
ISKT/H/3-4/38	3/4	38	4
ISKT/H/3-4/41	3/4	41	4
ISKT/H/3-4/46	3/4	46	2

CAT NR.	DRIVE	SIZE	BOX QTY.
	(INCH)	(MM)	
1" DRIVE HEX SOCKETS			
ISKT/H/0-1/19	1	19	8
ISKT/H/0-1/22	1	22	6
ISKT/H/0-1/24	1	24	6
ISKT/H/0-1/26	1	26	6
ISKT/H/0-1/27	1	27	6
ISKT/H/0-1/29	1	29	4
ISKT/H/0-1/30	1	30	4
ISKT/H/0-1/32	1	32	4
ISKT/H/0-1/33	1	33	4
ISKT/H/0-1/35	1	35	4
ISKT/H/0-1/36	1	36	4
ISKT/H/0-1/38	1	38	4
ISKT/H/0-1/41	1	41	4
ISKT/H/0-1/46	1	46	4
ISKT/H/0-1/50	1	50	2
ISKT/H/0-1/55	1	55	2
ISKT/H/0-1/60	1	60	1
ISKT/H/0-1/65	1	65	1

SETS

SETS	DESCRIPTION	BOX QTY.
KIT/ISKT/H/1-2/10/ST	1/2" 10pc Set: 10mm, 11mm, 12mm, 13mm, 14mm, 17mm, 19mm, 21mm, 22mm, 24mm	5
KIT/ISKT/H/1-2/12/ST	1/2" 12pc Set: 10mm, 12mm, 13mm, 14mm, 15mm, 16mm, 17mm, 18mm, 19mm, 21mm, 22mm, 24mm	5
KIT/ISKT/H/1-2/14/ST	1/2" 14pc Set: 10mm, 11mm, 12mm, 13mm, 14mm, 15mm, 16mm, 17mm, 18mm, 19mm, 21mm, 22mm, 24mm, 27mm	5
KIT/ISKT/H/3-4/8/ST	3/4" 8pc Set: 26mm, 27mm, 29mm, 30mm, 32mm, 35mm, 36mm, 38mm	2
KIT/ISKT/H/0-1/9/ST	1" 9pc Set: 26mm, 27mm, 30mm, 32mm, 35mm, 36mm, 38mm, 41mm, 46mm	2

21

Ratchet Handles

1/2" PUSH-THROUGH RATCHET

Works with any standard 1/2" square drive socket

To reverse, remove socket, push square drive out of the other side of the head & re-attach socket on the other side. Eliminates problem of accidental reversal

Square Drive available as spare



ORDERING INFORMATION

CAT NR.	DRIVE	TYPE	NUMBER OF TEETH	BOX QTY.
	(INCH)			
RTD/PT/1-2/UG	1/2	Push-Through	30	5

3/4" ROUND HEAD RATCHET

Chrome vanadium construction

Classic Round Head Design:
Spring loaded ball attaches onto sockets preventing from being dropped

Knurled handled for non-slip grip



ORDERING INFORMATION

CAT NR.	DRIVE	TYPE	NUMBER OF TEETH	BOX QTY.
	(INCH)			
RTD/RH/3-4/UG	1/2	Round Head	43	1

1" PEAR HEAD RATCHET

Chrome vanadium construction

Classic Pear Head Design:
Spring loaded ball attaches onto sockets preventing them from being dropped

2pc construction with removable head.



ORDERING INFORMATION

CAT NR.	DRIVE	TYPE	NUMBER OF TEETH	BOX QTY.
	(INCH)			
RTD/PH/0-1/MT	1	Pear Head	24	1

SLIM LINE RATCHET

Chrome vanadium construction

30% slimmer & lighter than conventional pear-head ratchets, makes it easy to transmit high torques without user fatigue

9 teeth mesh design for higher engagement & superior performance



ORDERING INFORMATION

CAT NR.	DRIVE	BOX QTY.
	(INCH)	
RTD/SL/1-4/UG	1/4	5
RTD/SL/3-8/UG	3/8	5
RTD/SL/1-2/UG	1/2	5

DUAL DRIVE RATCHET HANDLE

World-class Ratchet Handle with twice the speed of a conventional ratchet

Simply twisting the handle in any direction causes turning of the square drive. Irrespective of direction in which the handle is twisted, square drive rotates in the same direction

52 teeth gear design provides optimum torque for professional use

ORDERING INFORMATION

CAT NR.	DRIVE	BOX QTY.
	(INCH)	
RTD/DD/1-2/UG	1/2	1



Twist Action Handle



Hexagonal keys are most widely used in automotive workshops, garages & in several industrial applications

NEW!

GROZ offers a wide range of hex key sets for use by mechanic's and technicians worldwide

These are available in two material types:

S2 STEEL CONSTRUCTION:

Superior S2 steel construction. Hardened and tempered with corrosion resistant bright nickel plating

Hardness: 50-52 HRC

HARDNESS



50-52 HRC

S2 STEEL

S2

CONFORMS TO

DIN 898

ALN/HX-BL/7L/GRZ Box Qty: 10

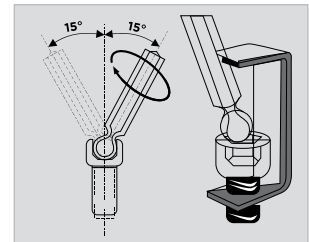
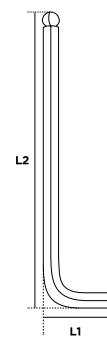
7 Hex Keys With Ball End - Long - Metric

Chamfered hex end for convenience in usage

Ball end permits easy access in tight, hard to reach spaces - upto 30° angle in recess from the screw head



HEX (MM)	L1 (MM)	L2 (MM)
2.5	20	86
3.0	22	91
4.0	27	103
5.0	32	118
6.0	37	139
8.0	43	155
10.0	49	177



ALN/HX-BL/7LSAEGRZ Box Qty: 10

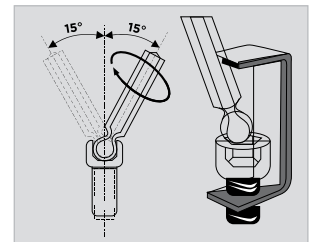
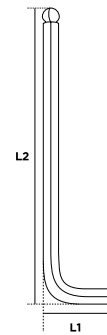
7 Hex Keys with Ball End - Long - SAE

Chamfered hex end for convenience in usage

Ball end permits easy access in tight, hard to reach spaces - upto 30° angle in recess from the screw head



HEX (INCH)	L1 (INCH)	L2 (INCH)
3/32	5/8	2-1/64
1/8	45/64	2-13/64
5/32	53/64	2-33/64
3/16	15/16	2-3/4
1/4	1-1/16	3-3/16
5/16	1-17/64	3-47/64
3/8	1-11/32	4-1/4



ALN/HX-BL/9EL/GRZ Box Qty: 10

9 Hex Keys with Ball End - Extra Long - Metric

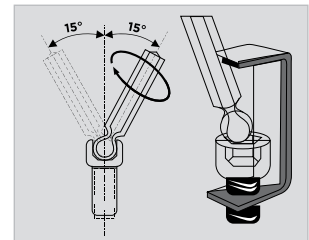
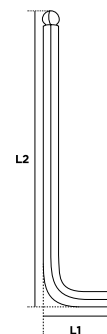
Chamfered hex end for convenience in usage

Ball end permits easy access in tight, hard to reach spaces - upto 30° angle in recess from the screw head

Extra long arm for easy access in confined spaces



HEX (MM)	L1 (MM)	L2 (MM)
1.5	15	91
2.0	17	101
2.5	20	113
3.0	22	127
4.0	27	142
5.0	32	163
6.0	37	184
8.0	43	205
10.0	49	233



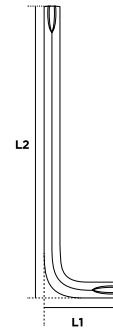
ALN/TX-TX/9L/GRZ
Box Qty: 10

9 Torx Star Keys - Long

Compatible with standard
TORX fixing systems



TORX	L1	L2
	(MM)	(MM)
T10	18	86
T15	20	90
T20	20.5	94
T25	20.5	100
T27	21	105
T30	24	114
T40	26.5	123.5
T45	29.5	132.5
T50	32.5	151



CHROME VANADIUM CONSTRUCTION:

Hardened & tempered with corrosion resistant black oxide finish

Hardness: 50-52 HRC

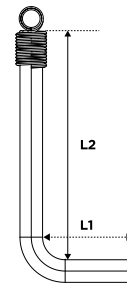


ALN/HX-HX/8/GRZ
Box Qty: 10

8 Hexagonal Keys - Metric



HEX (MM)	L1 (MM)	L2 (MM)
1.5	14	45
2	15	48
2.5	16	51
3	18	56
4	21	64
5	24	70
5.5	26	75
6	27	81

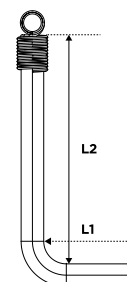


ALN/HX-HX/10/GRZ
Box Qty: 10

10 Hexagonal Keys - Metric



HEX (MM)	L1 (MM)	L2 (MM)
1.5 mm	14	45
2 mm	15	48
2.5 mm	16	51
3 mm	18	56
4 mm	21	64
5 mm	24	70
5.5 mm	26	75
6 mm	27	81
8 mm	32	95
10 mm	34	108

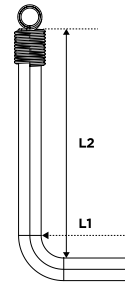


ALN/HX-HX/10SAEGRZ
Box Qty: 10

10 Hexagonal Keys - SAE



HEX (INCH)	L1 (INCH)	L2 (INCH)
1/16	35/64	1-49/64
5/64	19/32	1-57/64
3/32	5/8	2-1/64
1/8	45/64	2-13/64
5/32	53/64	2-33/64
3/16	15/16	2-3/4
7/32	1-1/32	2-61/64
1/4	1-1/16	3-3/16
5/16	1-17/64	3-47/64
3/8	1-11/32	4-1/4



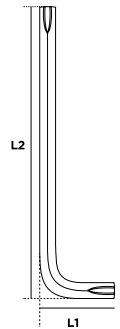
ALN/HX-HX/25/GRZ
Box Qty: 10

25 Hexagonal Keys - Metric & SAE



HEX (MM)	L1 (MM)	L2 (MM)
METRIC		
1.5	14	45
2	15	48
2.5	16	51
3	18	56
4	21	64
4.5	23	67
5	24	70
5.5	26	75
6	27	81
7	30	88
8	32	95
9	34	102
10	34	108

HEX (INCH)	L1 (INCH)	L2 (INCH)
SAE		
1/16	35/64	2-7/16
5/64	5/8	3
3/32	45/64	3-11/32
7/64	3/4	3-15/32
1/8	25/32	3-35/64
9/64	55/64	3-47/64
5/32	63/64	3-15/16
3/16	1-7/64	4-1/2
7/32	1-3/16	5
1/4	1-17/64	5-5/16
5/16	1-27/64	6
3/8	1-37/64	6-2/3



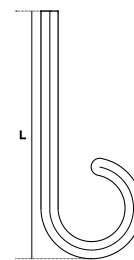
ALN/HX-HX/7/GRZ
Box Qty: 10

7 Hexagonal Keys - Metric

Chamfered end for convenience in usage



HEX (MM)	LENGTH (MM)
2.5 mm	55
3 mm	60
4 mm	65
5 mm	70
6 mm	80
8 mm	85
10 mm	90



ALN/TX-TX/8/GRZ
Box Qty: 10

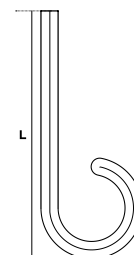
8 Tamper Torx Star Keys

Chamfered end for convenience in usage

Compatible with standard TORX fixing systems



TAMPER TORX	LENGTH (MM)
T9	58
T10	62
T15	70
T20	72
T25	79
T27	88
T30	91
T40	95



23

2 Jaw Hand Riveter

FH-10

50% Stronger & More Durable than most other riveters in the market

Manufactured from high strength structural steel

All parts that come in contact with the rivet are heat treated for increased wear resistance

Easy Maintenance: Jaws can be cleaned without tool disassembly

Ergonomically designed longer handle to suit all hand sizes. Complete with PVC dip coated non-slip grip

Attractive and safe lead free powder coated finish

Includes 4 nose pieces & a nose piece wrench

ORDERING INFORMATION

CAT NR.	BOX QTY.
RT/FH-10	5

For Riveting

Aluminum Pop/Blind Rivets:
 3/32" (2.4 mm)
 1/8" (3.2 mm)
 5/32" (4.0 mm)
 3/16" (4.8 mm)

Stainless Steel Rivets:
 1/8" (3.2 mm) & 5/32" (4.0 mm)

Suitable for industrial, engineering & maintenance jobs



Convenient change of nose pieces with wrench



4 nose pieces for a range of rivets sizes

NEW!



Nose body designed to fit into smaller applications

Longer handle with ergonomic PVC dip coated sleeve

24

2 Jaw Lazy Tong Hand Riveter

FH-44

Heavy duty industrial hand riveter best suited for continuous & repetitive usage especially in automotive, construction & agricultural application

Strong & sturdy yet lightweight aluminum die cast body & handle with heavy gauge steel springs

All parts that come in contact with the rivet are heat treated for increased wear resistance

Attractive and safe lead free powder coated finish

ORDERING INFORMATION

CAT NR.	BOX QTY.
LT/FH-44	5

Includes 3 nose pieces & a spanner

Suitable for riveting aluminum, steel & stainless steel pop / blind rivets
 1/8" (3.2 mm)
 5/32" (4.0 mm)
 3/16" (4.8 mm)

NEW!



25

Hand Riveter For Threaded Rivets

FH-20

50% Stronger & More Durable than most other riveters in the market

Designed for riveting threaded inserts for use as nuts

Manufactured from high strength structural steel

All parts that come in contact with the rivet are heat treated for increased wear resistance

Ergonomically designed handle to suit all hand sizes. Complete with PVC dip coated non-slip grip

Attractive and safe lead free powder coated finish

Includes

- 3 threaded Mandrels
- 3 Nose pieces for riveting M4, M5 & M6 threaded rivets
- Spare M4 Rivets: 15
- Spare M5 Rivets: 15
- Spare M6 Rivets: 10



Convenient change of nose pieces with wrench



M4 Rivets: 15



M5 Rivets: 15



M6 Rivets: 10



Threaded Mandrels & Nose pieces



NEW!

ORDERING INFORMATION

CAT NR.	BOX QTY.
RT/FH-20	5

26

Slogging Wrenches

RSW

OSW

Slogging wrenches are used for tightening and slackening large nuts & bolts in ship maintenance, mining, piping and other similar industrial applications.

One end is shaped to fit a nut and the other is enlarged to receive blows from a hammer. The shock of the impact is useful in breaking rust/ paint

These are available in two types:

1. Ring Slogging Wrenches
2. Open Jaw Slogging Wrenches



Ring Slogging Wrenches

Open Jaw Slogging Wrenches

NEW!

ORDERING INFORMATION

CAT NR.	SIZE	LENGTH	BOX QTY.
	(MM)	(MM)	
RING SLOGGING WRENCHES			
RSW/27	27	180	8
RSW/30	30	190	8
RSW/36	36	205	5
RSW/41	41	230	5

CAT NR.	SIZE	LENGTH	BOX QTY.
	(MM)	(MM)	
OPEN JAW SLOGGING WRENCHES			
OSW/24	24	170	8
OSW/27	27	180	8
OSW/30	30	185	5
OSW/36	36	220	5

FEATURES

CHROME VANADIUM	FORGED CONSTRUCTION	HARDNESS
		39-46 HRC

27

Adjustable Pipe Wrenches - Stillson Pattern

SPW

Drop forged and heat treated handle & jaws with high grade cast malleable iron frames

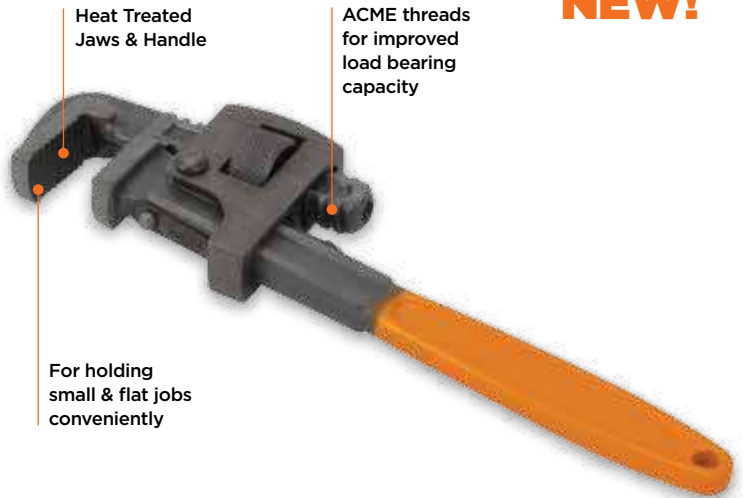
Accurately machined screw threads and nut with spring jaws.

Hardened tempered jaw teeth with V grooves

NOTE

These should not be used on nuts, bolts & hexagonal fittings where they could cause damage.


NEW!



ORDERING INFORMATION

CAT NR.	LENGTH		MAX. OPENING		BOX QTY.
	(INCH)	(MM)	(INCH)	(MM)	
SPW/10	10	250	1-5/16	33	10
SPW/12	12	300	1-21/32	42	10
SPW/14	14	350	1-7/8	48	10
SPW/18	18	450	2-3/8	60	8
SPW/24	24	600	2-7/8	73	5

FEATURES

STEEL	FORGED CONSTRUCTION	HARDNESS
C45 STEEL		BODY 35-40 HRC JAWS 45-55 HRC

28

Water Pump Pliers




WPP

Commonly used for turning & holding nuts & bolts, gripping irregularly shaped objects, holding pipes etc.

Pliers have serrated jaws set at 45° from the handles. The lower jaw can be moved to 7 different positions by sliding along a tracking section under the upper jaw

Pliers can adjust to a number of sizes without the distance in the handle growing wider

FEATURES

CHROME VANADIUM	FORGED CONSTRUCTION
	
HARDNESS	
 38-46 HRC	



NEW!

Fully Hardened jaws clamp automatically on pipes & nuts

Unique box joint adjusting system for quick & easy one hand adjustment

Black Oxide Finish

Cushion grip handle for convenience in use

Jaws remain parallel in any position for better grip

Special barrier prevents accidental squeeze of fingers between plier handles

Hot forged, hardened & tempered Chrome Vanadium steel



ORDERING INFORMATION

CAT NR.	LENGTH		BOX QTY.
	(INCH)	(MM)	
WPP/BJ/7/CV	7	175	10
WPP/BJ/10/CV	10	250	10
WPP/BJ/12/CV	12	300	8
WPP/BJ/16/CV	16	400	5

NEW!

12 V DC powered complete and easy to install submersible pump

Suitable for on-site diesel refuelling at construction sites, farms, cement plants & mining sites etc.

Pump features a water tight corrosion and rust proof PVC casing covering the motor completely making it suitable to be used as a high quality, submersible pumping unit.

Easy to clean filter keeps contaminants away

Duty Cycle: 60 minutes ON / 60 minutes OFF

Comes complete with 4m (13') of cable with 2 alligator clamps and 3m (9.8') flexible hose and a Nozzle.

WARNING
DO NOT RUN DRY

WETTED COMPONENTS
PVC, PP, NBR, Zinc, Stainless Steel, PE, PU

RECOMMENDED USE
Kerosene, Diesel, Water, Untreated water (Not safe for drinking)

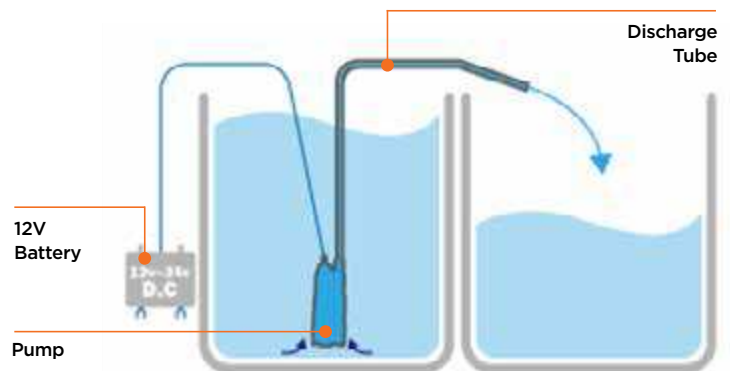
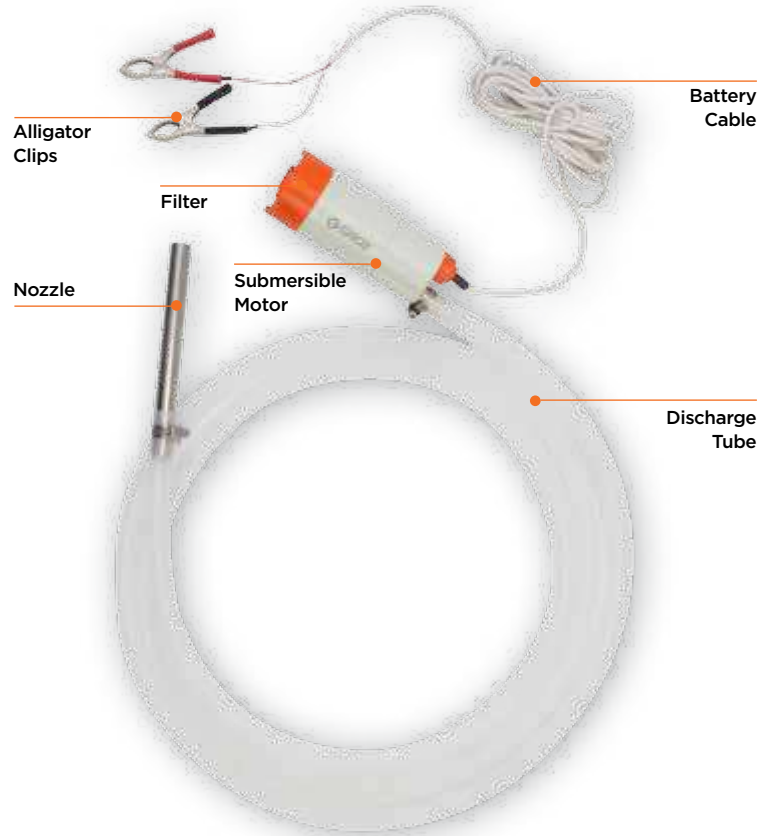
DO NOT USE WITH
Gasoline or Other volatile liquids.

FEATURES

DELIVERS	POWER SOURCE
UPTO 15 LPM AT 1 M HEIGHT	12V DC

SPECIFICATION

MOTOR TYPE	Submersible
MOTOR RATING	12V DC
BODY DIA.	54 mm (2.13")
MAX. DISCHARGE HEAD	Upto 11m (36.1')
DISCHARGE HOSE LENGTH	3m (9.8')
GROSS WEIGHT	Approx. 575 g (20.3 oz)



ORDERING INFORMATION

CAT NR.	BOX QTY.
SDP/12	5

FLUIDS



APPLICATIONS



NEW!

Heavy Duty Industrial grade pneumatic pump designed for unmatched performance in demanding conditions

Particularly suitable for grease distribution in pipe works & installations where simultaneous grease supply is required on different dispensing points at high pressure or in large volume

Pump dispenses grease upto 50 times the air inlet pressure

All metal construction, fully CNC machined with hardened wear resistant moving parts

Reciprocating piston operated 3" (76 mm) dia. air motor

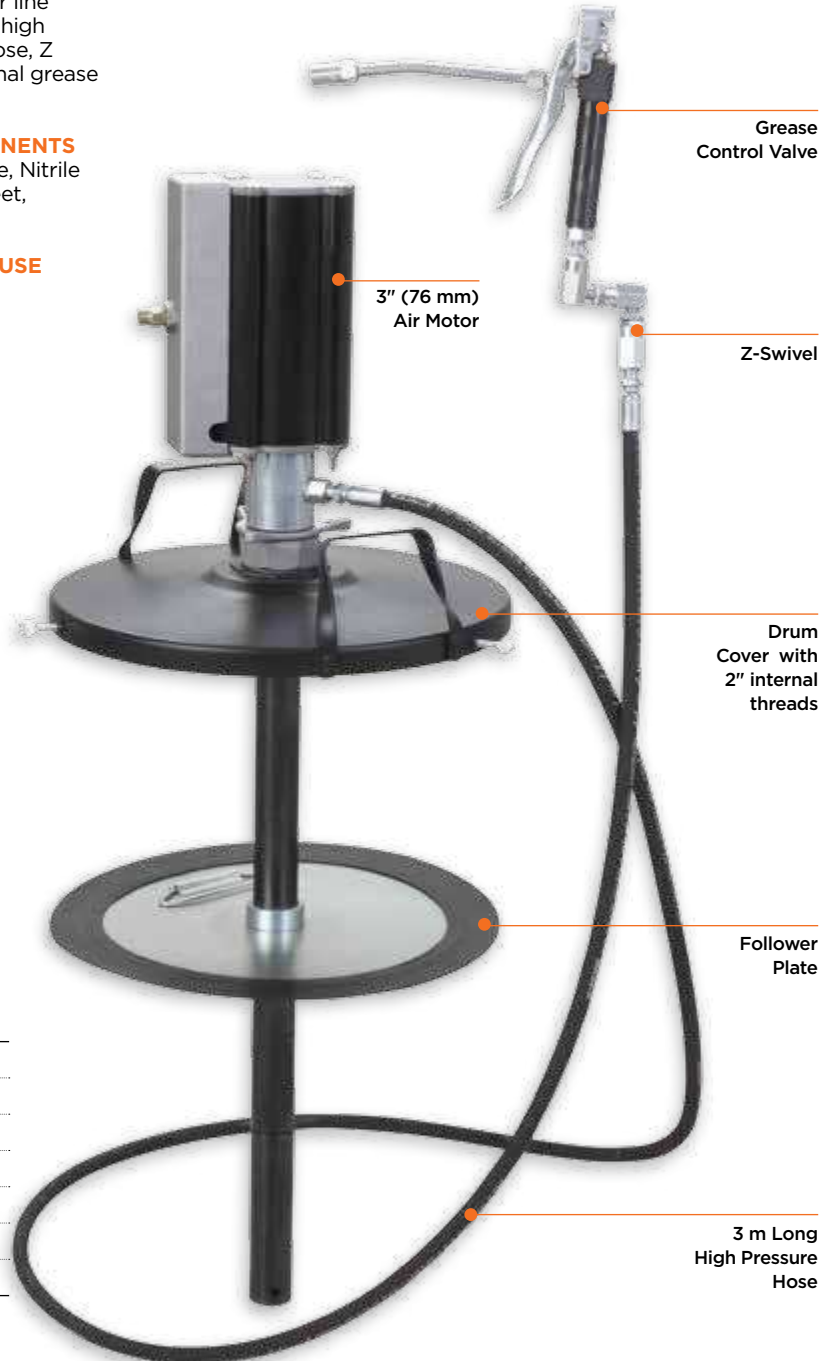
Stall free, ice free motor with tough durable housing, integrated muffler for quiet operation

No Service Required: With very few moving parts this rugged pump requires virtually no servicing. No special maintenance tools needed

Supplied complete with drum cover, rubber line follower plate, 3m high pressure grease hose, Z swivel & professional grease control valve

WETTED COMPONENTS
Steel, Polyurethane, Nitrile Rubber, C.R.C. Sheet, Copper, PTFE

RECOMMENDED USE
NLGI 1, 2, 3 Grease



SPECIFICATIONS

WORKING PRESSURE	2-10 BAR (30-150 PSI)
MAX. OUTLET PRESSURE	500 BAR (7500PSI)
AIR INLET CONNECTION	1/4" NPT
PUMP OUTLET CONNECTION	3/8"
AIR CONSUMPTION	13 CFM
GREASE OUTPUT	3.2 Kg per min in free flow
NOISE LEVE	85-90 dB

ORDERING INFORMATION

CAT. NR.	FITS	DRUM COVER DIAMETER		FOLLOWER PLATE DIMENSIONS				BOX QTY.
				O.D. STEEL END		O.D. PLATE		
		(INCH)	(MM)	(INCH)	(MM)	(INCH)	(MM)	
GPH/1/ST/BSP	20-30 kg pails	12	310	9-1/2	241	11-11/32	288	1
GPH/2/ST/BSP	50-60 kg pails	15	381	12-11/16	322	15	380	1
GPH/3/ST/BSP	180 kg drums	24-1/2	612	21-5/8	550	23-11/16	602	1

31

Rapid Action Bearing Packer Bench Top Kit

BEP

Easy & ready to use Greasing Kit for bearings for bench top applications in automotive workshops

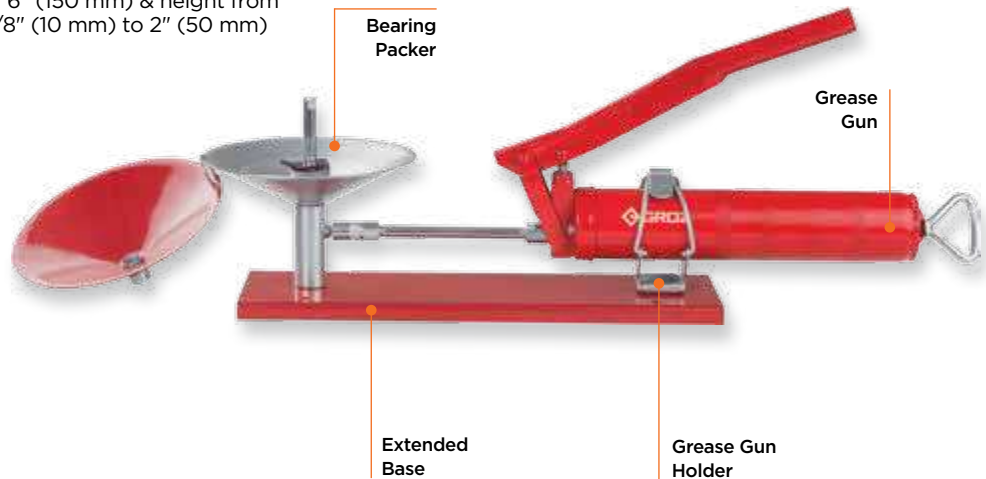
Time saving set up for greasing bearings faster, with no mess

Includes steel base fitted with grease gun holder, lever grease gun & rapid action grease bearing packer. Steel base has holes for bolting to the workbench

Bearing packer has a non threaded cone for fast placement of bearings & comes complete with dust cover to prevent contaminants from entering the bearing

For greasing bearings as used in the wheel hubs of motor vehicles, trailers, cars, vans, aircraft, agricultural equipment

For use with bearings with a minimum inner dia. of 1/2" (12 mm) to a max. outer dia. of 6" (150 mm) & height from 3/8" (10 mm) to 2" (50 mm)



ORDERING INFORMATION

CAT NR.	BOX QTY.
BEP/625/BT	1

32

3:1 Air Operated Bucket Oil Ratio Pump

World-class industrial oil dispensing pump with guaranteed performance & hassle free operation

3:1 Pump is single acting with discharge upto 14 LPM with built in steel drum complete with wheels and pull handle

Air Consumption: 230 LPM

Drum Capacity: Upto 3 litres

Supplied complete with oil control gun and air regulator with pressure gauge

NEW!



ORDERING INFORMATION

CAT NR.	BUCKET CAPACITY	BOX QTY.
	(LITRES)	
BORP/31-30	30	1

33

Bucket Oil Pump with Meter

Pump designed for transferring transmission differentials & heavier oils

Zinc plated pump body with aluminum die cast head & adjusting flange

High pressure positive displacement meter with oval gear mechanism for optimum accuracy

Supplied complete with 30 litres steel bucket, mechanical oil meter, wheels and pull handle

NEW!



ORDERING INFORMATION

CAT NR.	BUCKET CAPACITY	BOX QTY.
	(LITRES)	
OLP/30/OM100	30	1

NEW!

Heavy Duty Industrial grade pneumatic oil pump designed for unmatched performance in demanding conditions

Single acting pump dispenses oil at upto 6.5 times the air inlet pressure

All metal construction, fully CNC machined with hardened wear resistant moving parts

Reciprocating piston operated 3" (76 mm) dia. air motor

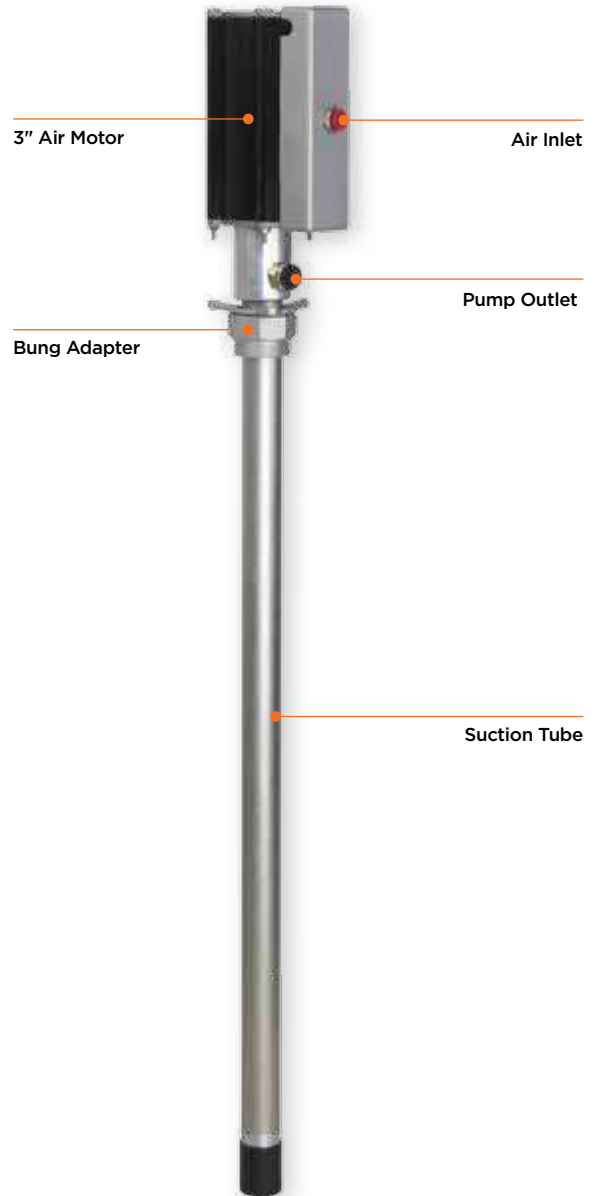
Stall free, ice free motor with tough durable housing, integrated muffler for quiet operation

No Service Required: With very few moving parts this rugged pump requires virtually no servicing. No special maintenance tools needed

Ideal for use with high viscosity oils (upto SAE 240) for transferring over short & long distances - upto 60 metres

WETTED COMPONENTS

Steel, Brass, Aluminum, Turcite, Polyurethane, Hi-Nitrile Rubber



FEATURES

FLOW RATE	PRESSURE	
UPTO* 16 LPM (4.23 GPM)	UPTO 150 PSI (10 BAR)	*Measured at pump outlet

SPECIFICATIONS

WORKING PRESSURE	30-150 PSI (2-10 BAR)
MAX. AIR PRESSURE	150 PSI (10 BAR)
MAX. MEDIA OUTLET PRESSURE	975 PSI (65 BAR)
AIR INLET CONNECTION	1/4"
PUMP OUTLET CONNECTION	1/2"
NOISE LEVEL (DB)	80 dB

ORDERING INFORMATION

CAT NR.	DESCRIPTION	BOX QTY.
OPH/S/651B/BSP	Stub pump with bung adaptor	1
OPH/T2/651B/BSP	Pump complete with suction tube for 50-60 litre drum & bung adaptor	1
OPH/T3/651B/BSP	Pump complete with suction tube for 205 litre drum & bung adaptor	1

Refer to the GROZ Main Catalogue CI-31 for the complete range of Manual, Pneumatic & Electric Oil Pumps

NEW!

Superior quality stainless steel hand operated rotary drum pump

Stainless steel body with stainless steel bung & suction tube. Rotor with PTFE vanes & seals makes it resistant to corrosion

Choice of construction materials makes it useful for transferring a wide variety of fluids such as water based media, chemicals, all petroleum products etc.

Superior machining of vanes ensures better draw & smooth delivery

Fits 50-205 litre drums

Comes complete with:

- Pump Body
- 2" Bung Adaptor
- Handle
- Discharge Spout
- 3 pc Suction tube

WETTED COMPONENTS

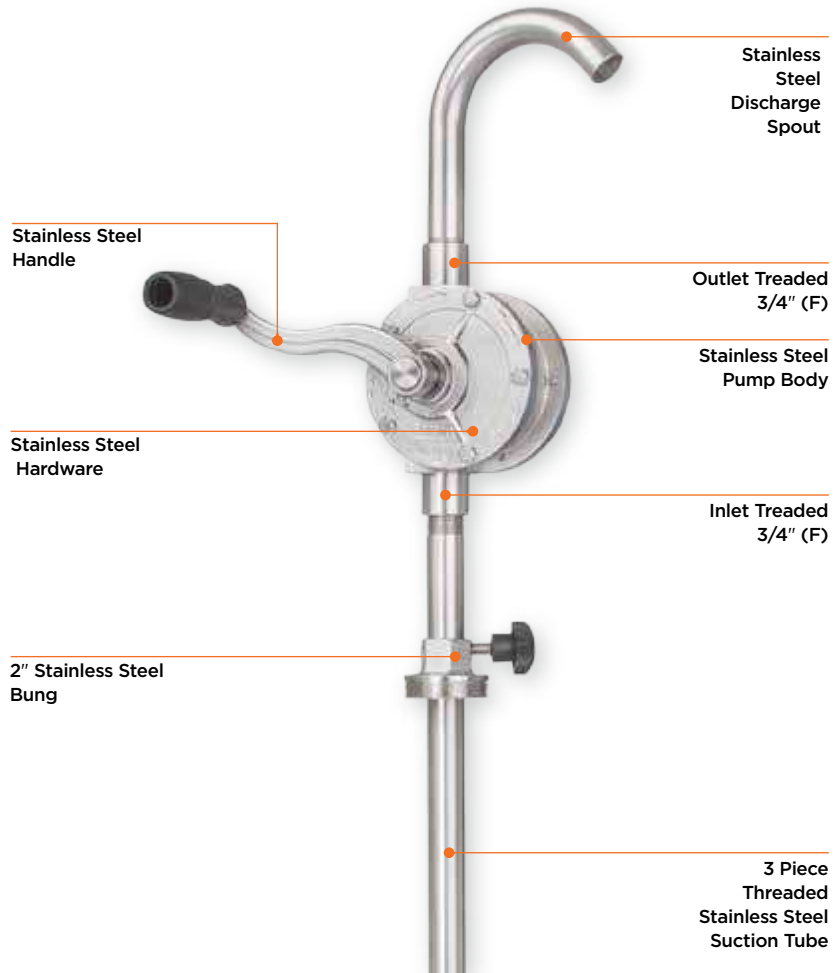
Stainless Steel 304, PTFE

RECOMMENDED USE

Water based media, antifreeze, acids, chemicals, all petroleum based products, lacquer, thinner, urea, adblue, DEF

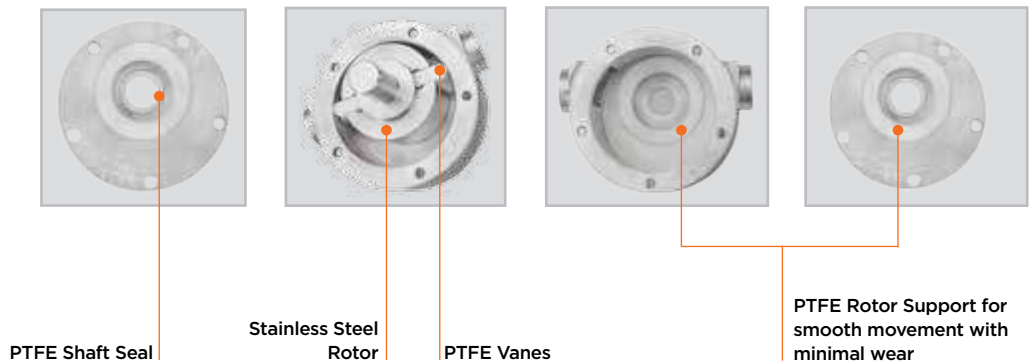
DO NOT USE WITH

Hydrochloric acid, Sulphuric acid etc.



FEATURES

DELIVERS
UPTO
4 LITRES/
20 TURNS



ORDERING INFORMATION

CAT NR.	PUMP INLET/OUTLET	BOX QTY.
GNB-25/SS/3R/SPL	3/4" (F)	1

Refer to the GROZ Main Catalogue CI-31 for pumps suitable for oils, fuels & other water based media

NEW!

Truck drains eliminate the need to lift vehicles for changing oil or coolant

With a capacity of 65 litres & total height 7-3/4" (195mm) the reservoir is moulded from lightweight yet robust high impact polyethylene

Removable anti-splash screen prevents solid particles/debris of over 0.15" (3.8 mm) dia. from entering tank

Recessed pocket at each corner provides storage space for drain plugs & filters

Baffles inside the reservoir prevents any oil spillage during transport

Hose hanger for safe keeping the hose when not in use

4" (100 mm) nylon castors gives better manoeuvrability

Designed for use with heavy-duty trucks, buses, RV's & other low profile automobiles

Available in 3 Versions:

1. Gravity Oil Drain
2. Oil Drain with Manual Rotary Pump
3. Oil Drain with Electric Oil Pump:
 - Flexible Impeller design electric pump enables it to pump high viscosity fluid at high flow rate
 - Duty cycle: 45 On/45 min Off
 - UL approved motor
 - Motor has thermal overload protection to prevent over heating

WETTED COMPONENTS

Polyethylene, PVC, Steel, Cast Iron*, ZAMAC**, SS**, NBR***

* (Only for TD/17/P)

** (Only in TD/ 17/E)

*** (Only in TD/17P & TD/17E)

RECOMMENDED USE

Lubricating Oil (upto SAE 90), Non Corrosive Media, Waste Fluids including Motor Oil etc.

FLUIDS



TD/17E/12
With Electric Pump



ORDERING INFORMATION

CAT. NR.	DESCRIPTION	PUMP DISCHARGE	BOX QTY.
TD/17G	Gravity Oil Drain	-	1
TD/17P	Oil Drain with manual rotary pump	Upto 1 litre / 5 turns	1
◆ TD/17E/220/EU	Oil Drain with 220V Electric Oil Pump	Upto 23 LPM	1
◆ TD/17E/12	Oil Drain with 12V Electric Oil Pump	Upto 17 LPM	1

◆ NEW

Rugged & heavy duty steel truck drains designed for use with heavy duty commercial vehicles, buses & other low profile automobiles

Low height design makes it useful for most automobiles

Removable anti splash tray reduces splash & prevents particles larger than 0.20" (5 mm) dia. to enter into the tank

Suited to collect waste fluids - motor oils, transmission fluids, coolants etc.

Comes with 3" x 1" rubber wheels & front swivel castor for easy movement

Drain capacity:

- a) 68 litres
- b) 90 litres

Available in 3 Versions:

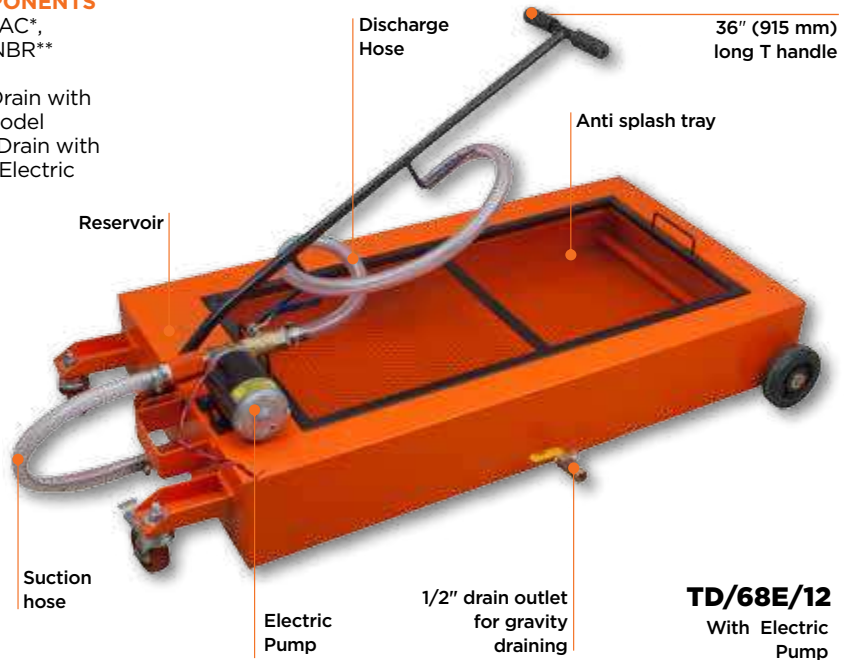
1. **Gravity Oil Drain**
2. **Oil Drain with Manual Rotary Pump**
Manual rotary pump offers a discharge of upto 1 litre / 5 turns
3. **Oil Drain with Electric Pump**
 - Flexible Impeller design electric pump enables it to pump high viscosity fluid at high flow rate
 - Duty cycle: 45 min On / 45 min Off
 - UL approved motor
 - Motor has thermal overload protection to prevent over heating

WETTED COMPONENTS

Steel, PVC, ZAMAC*, Stainless Steel, NBR**

* Only in Truck Drain with Electric Pump Model

** Only in Truck Drain with Manual Pump & Electric Pump Models



ORDERING INFORMATION

CAT NR.	RESERVOIR CAPACITY	LENGTH		WIDTH		HEIGHT		PUMP DISCHARGE	BOX QTY.
	(LITRES)	(INCH)	(MM)	(INCH)	(MM)	(INCH)	(MM)		
Gravity Oil Drain									
TD/68G	68	41.92	1065	22	560	7-1/2	190	—	1
TD/90G	90	47.8	1215	29.5	750	8.3	212	—	1
Oil Drain with Manual Rotary Pump									
TD/68P	68	41.92	1065	22	560	7-1/2	190	Upto 1 litre / 5 turns	1
TD/90P	90	47.8	1215	29.5	750	8.3	212	Upto 1 litre / 5 turns	1
Oil Drain with 220 V 50 Hz AC Pump									
◆ TD/68E/220/EU	68	41.92	1065	22	560	7-1/2	190	Upto 23 LPM	1
◆ TD/90E/220/EU	90	47.8	1215	29.5	750	8.3	212	Upto 23 LPM	1
Oil Drain 12 V DC Pump									
◆ TD/68E/12	68	41.92	1065	22	560	7-1/2	190	Upto 17 LPM	1
◆ TD/90E/12	90	47.8	1215	29.5	750	8.3	212	Upto 17 LPM	1

◆ NEW

NEW!

Special purpose electric pump for waste oil evacuation

Motor with thermal overload protection to prevent over heating

Self priming ZAMAC body with stainless steel shaft & cover can handle a wide variety of fluids

Flexible impeller design enables pumping high viscosity fluids at high flow rates

Dual threaded suction & discharge ports:
 3/8" NPT (F) on the inside & 3/4"-11.5 NH (M) on the outside

Suitable for pumping used engine oil, transmission oil, hydraulic oil etc.

Available in the following power source options:
 a. 220V, 50Hz AC
 b. 12V DC

Duty Cycle:
 45 min ON / 45 min OFF

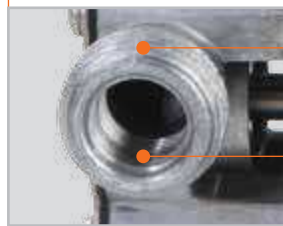
WETTED COMPONENTS
 ZAMAC, Stainless Steel, Nitrile Rubber

RECOMMENDED USE
 Used Oil, Engine Oil, Transmission Oil, Hydraulic Oil, Water, Ethylene Glycol

DO NOT USE WITH
 Gasoline, any flammable media



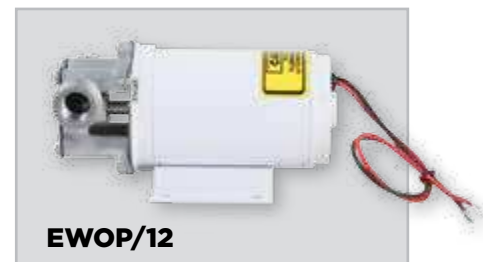
EWOP/220/EU



Dual threaded suction & discharge ports

3/4" Garden Hose Thread (M)

3/8" NPT Thread (F)



EWOP/12

SPECIFICATION

	EWOP/220/EU	EWOP/12
FLOW RATE	23 LPM	17 LPM
MAX. PRESSURE*	18 PSI (1.25 BAR)	
SUCTION LIFT (DRY/WET)	82 cm / 243 cm	
DISCHARGE HEAD (WATER)	12.2 M	
MAX. VISCOSITY	2000 SSU (SAE 30)	
POWER CABLE LENGTH	182 cm	-

* As pressure increases the flow rate will decrease.

ORDERING INFORMATION

CAT NR.	INPUT POWER	BOX QTY.
EWOP/220/EU	220V, 50HZ AC	1
EWOP/12	12V DC	1



Extracting oil from the truck drain using AC power motor

Air Operated Double Diaphragm Pump

IDEAL FOR DISPENSING WASTE OIL

NEW!

Specifically engineered with reduced parts ensuring maximum performance and unmatched reliability in variety of applications

Truly Non-lubricated Design
A non lubricated outside accessible air distribution system with no messy pre-packed grease

Stall free & Ice-free Operation
Staged exhaust design. The main air valve is comprised of a patented carbon (Graphite) filled Ekonol which is designed to be non-stalling

Ideal For Waste Oil Handling
Can pass larger particles (up to 3 mm) than traditional ball valve design

Energy saving
20% less air consumption over conventional pumps

Fully bolted design:
Quick tear down & rebuild, Hence negligible downtime during operation

Ease of Repair
Manual over-ride with push pin Actuator

Fewer wearing parts
low periodic maintenance is required

Self Priming
The pump design (incorporating internal check valves) allows for high suction lift even at dry start-up and with heavier fluids

Explosion Proof
As pumps are operated by compressed air, therefore, they are intrinsically safe

Submersible
If external components are compatible - these pumps can be submerged in the liquid by simply running the exhaust line above the liquid level

WETTED COMPONENTS
Aluminum, NBR

RECOMMENDED FLUIDS
Waste Oil, Slurries, Solvents, Automotive Fluids, Inks, Paints and more








SPECIFICATIONS

SIZE	1"
CASING	Aluminum
DIAPHRAGM	NBR
FLOW RATE	Upto 140 LPM
PUMP INLET/OUTLET (F)	1"
AIR INLET	3/8"
AIR INLET PRESSURE	29-100 PSI (2-7 BAR)
MAX. PARTICLE SIZE	1/8" (3MM) or below
DISCHARGE VOLUME PER CYCLE	600 ML
DIMENSIONS	8.2 x 8.5 x 12.5 INCH (210 x 216 x 316 MM)
SUCTION LIFT (WET)	6.6 M
LIQUID TEMP.	0 - 80°C
MAX. AIR CONSUMPTION	900 LPM
NOISE LEVEL	81 dB
WEIGHT	8.7 Kg

FEATURES

FLOW RATE	MAX. AIR CONSUMPTION
UPTO 140 LPM	900 LPM

APPLICATIONS

WATER	PETROLEUM	CHEMICAL
		
		

ORDERING INFORMATION

CAT NR.	BOX QTY.
AODD/25/BAN/N	1

40 Drum Level Indicator DLI

An easy & cost effective means to check level of fluid remaining in a drum / tank

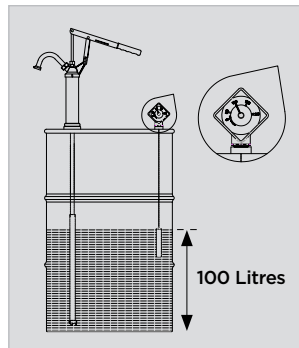
Planetary gear mechanism float connected with a string moves down as the liquid level goes down in the drum.

Float is partially filled with water & changing the amount of water allows for the same unit to be used with liquids of different viscosities

Float has a Polyethylene construction which allows it to be used with a wide range of liquids including water, coolants etc. in addition to oils & fuels

Face of the Indicator is fitted with a display marked from 0 to 210 litres which can be reversed to graduation in gallon from 0 to 55 gallons

NOTE
That this is not a precise measuring device. Gauge is only to give an approximate/indicative level of liquid in the drum to know when to arrange for a new drum



Fits on the small 3/4" hole on drums leaving the 2" opening free for installing pumps

ORDERING INFORMATION

CAT NR.	BOX QTY.
DLI/3-4/N	10

NEW!



41 Breakaway Valve BKV

In-line breakaway valve designed to be installed between the fuel pump & nozzle

In case of drive-off, breakaway valve allows the nozzle end of the hose to get separated from the pump end of the hose

The dual poppets inside the breakaway valve closes when drive off happens, trapping the fuel inside the hose at both ends thereby avoiding fuel spillage and possible damage to environment

Tolerant of pulsing and line shocks due to sturdy yet lightweight aluminium design body

PVC sleeve provides better grip and handling

Designed to pull apart at Max. 1500N/350 lbs. pull force

Small & light weight with minimal flow restriction

WETTED COMPONENTS
Aluminium, Nylon & Viton

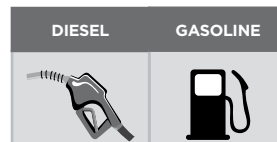
NEW!



ORDERING INFORMATION

CAT NR.	SIZE	MAX FLOW RATE	MAX PULL FORCE	BOX QTY.
BKV/3-4/N	3/4"	60 LPM	1500 N/350 lbs	1
BKV/0-1/N	1"	90 LPM	1500 N/350 lbs	1

FLUIDS



42

Tyre Inflator Gauge for Cars

NEW!

Reliable and sturdy, the 3 in 1 GROZ tyre gauge is designed to:

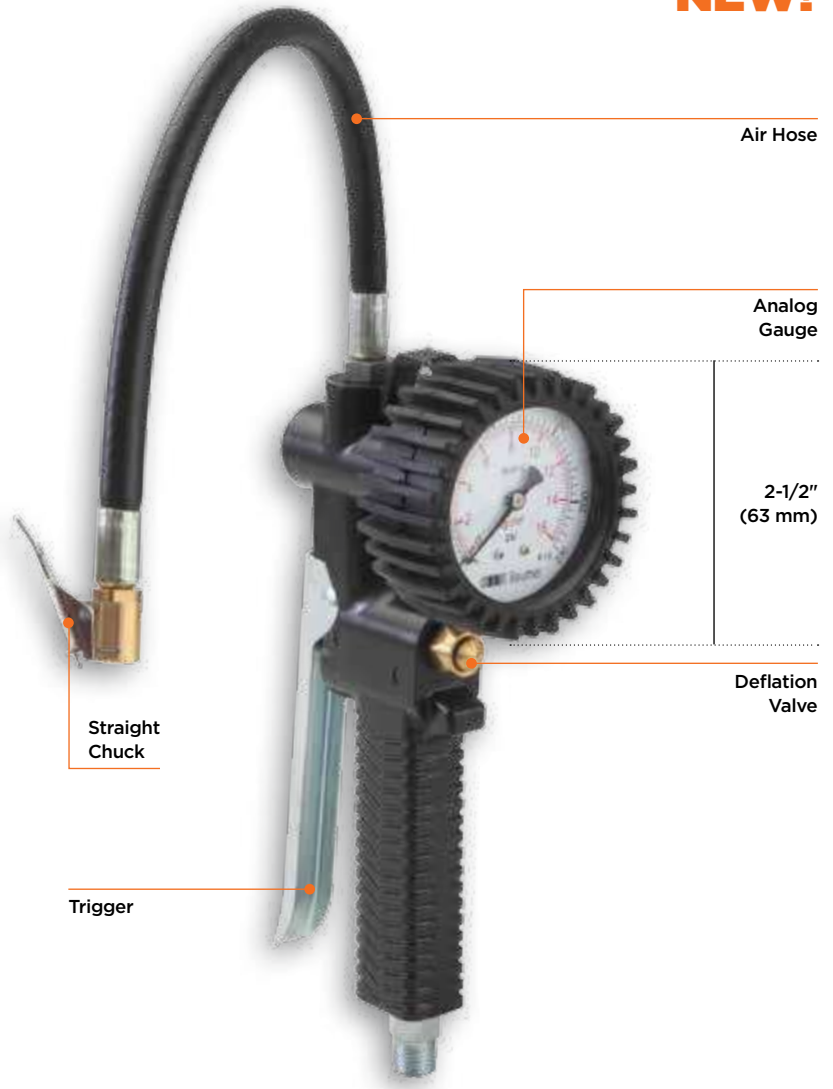
1. Measure Tyre Pressure
2. Inflate Tyres
3. Deflate Tyres

Tyre deflation is via the deflation valve on the gun body. A simple press of the valve will activate it and reduce pressure

Pressure Gauge: The analog gauge comes with a protective shroud.

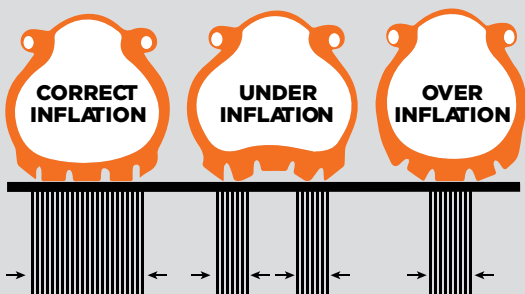
Gauge Dia.:
2-1/2" (63mm)

Aluminium die cast gun with flexible hose & straight chuck suitable for cars & other light vehicles



FEATURES

MAX PRESSURE	GAUGE ACCURACY
50 PSI (3.5 BAR)	± 1.6%



MAINTAINING CORRECT TYRE PRESSURE
Under-inflated tyres heats up more quickly than correctly inflated tyres, and in extreme cases can lead to tyre failure

Driving on under-inflated tyres also places excess stress on the tyre shoulders, causing uneven wear of the tread

Over-inflation causes high wear at the centre of the tread

Correct tyre pressure ensures safety, optimum handling and longer life of the tyre

ORDERING INFORMATION

CAT NR.	HOSE LENGTH	BOX QTY.
TIG/M/12/N	12" (300 mm) flexible hose with straight chuck	5

Tyre Inflator Gauge for Trucks

NEW!

Reliable and sturdy, the 3 in 1 GROZ tyre gauge is designed to:

1. Measure Tyre Pressure
2. Inflate Tyres
3. Deflate Tyres

Tyre deflation is via the deflation valve on the gun body. Simple press of the valve activates it and reduces pressure

Pressure Gauge: The analog gauge comes with a protective shroud.

Gauge Dia.:
2-1/2" (63 mm)

Aluminium die cast gun with flexible hose, rigid extension & dual chuck suitable for attachment on valves of large tyres. Overall extension length 24" (600 mm)



FEATURES

MAX PRESSURE	GAUGE ACCURACY
230 PSI (16 BAR)	± 1.6%

ORDERING INFORMATION

CAT NR.	HOSE LENGTH	BOX QTY.
TIG/M/24D/N	24" (600 mm) flexible hose with dual chuck	5