

## Grease Feeders

GFD

Grease Feeders are used to provide single point controlled lubrication for all types of bearing housings

Working on a spring compression mechanism, the design regulates grease discharge in proportion to changing spring pressure, thus maintaining constant discharge pressure of 1-2 PSI

1/8" (M) steel adaptor at the tail end fits directly onto bearing housings

Can be mounted in any position for easy

visual inspection of grease levels

Assembled with medium duty spring, the light & heavy duty springs come as spares in the pack and can be easily interchanged depending upon application

Reusable: Can be refilled easily with immediate activation

Thread converters & angle adaptors available as spares

Remote Refill kit also available that permits remote filling of grease from distances up to 3 meters (10')



### WARNING

Do not use with ESTER based greases, synthetic greases such as aeroshell 33 grease, aeroshell 7 grease, skydroil products etc. These have an adverse effect on polycarbonate & can cause fogging, cracking & fracturing

CAT NR.	ORD NR.	CAT NR.	ORD NR.	BOWL CAPACITY		OPERATING CONDITION	OVERALL DIA.		OVERALL HEIGHT	
				(OZ.)	(GMS)		(INCH)	(MM)	(INCH)	(MM)
1/8" BSPT THREADS		1/8" NPT THREADS								

#### Polycarbonate Bowl & NYLON Base

GFD/PP/1/B	47700	GFD/PP/1/N	47720	1	28	Static	1-3/4	45	3-5/8	92
GFD/PP/2/B	47701	GFD/PP/2/N	47721	2	56	Static	2-3/8	60	4-5/8	117
GFD/PP/6/B	47702	GFD/PP/6/N	47722	6	170	Static	3	75	6	150

#### POLYCARBONATE BOWL & ALUMINIUM BASE

GFD/PA/1/B	47703	GFD/PA/1/N	47723	1	28	Dynamic	1-3/4	45	3-5/8	92
GFD/PA/2/B	47704	GFD/PA/2/N	47724	2	56	Dynamic	2-3/8	60	4-5/8	117
GFD/PA/6/B	47705	GFD/PA/6/N	47725	6	170	Dynamic	3	75	6	150

#### POLYCARBONATE BOWL & NICKEL PLATED ALUMINIUM BASE

GFD/PAN/1/B	47706	GFD/PAN/1/N	47726	1	28	Corrosive	1-3/4	45	3-5/8	92
GFD/PAN/2/B	47707	GFD/PAN/2/N	47727	2	56	Corrosive	2-3/8	60	4-5/8	117
GFD/PAN/6/B	47708	GFD/PAN/6/N	47728	6	170	Corrosive	3	75	6"	150

#### BOROSILICATE BOWL & ALUMINIUM BASE

GFD/BA/4/B	47709	GFD/BA/4/N	47729	4	113	High Temperature / Nuclear Environments	3-1/4	82	7-1/8	181
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#### REMOTE GREASE REFILL KIT

GFD/RK/1	47790	3 m (10') Grease Hose with all fittings
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## SAFETY INFORMATION

- Follow workshop health & safety rules, regulations and conditions when using the Bearing packer.
- Keep the Bearing packer clean and in good working order for best and safest performance.
- DO NOT use the Bearing packer for a task it is not designed to perform.
- DO NOT drop, throw or abuse the Bearing packer.
- Read and understand all instructions.

## PACKAGE CONTENT

DESCRIPTION	QUANTITY
Grease feeder	1
Spring	2
O.I.P.M.	1

## INSTALLATION

- Use the dome spring as per your requirement.
- Remove grease fitting from the bearing housing.
- Screw the grease feeder assembly directly into the grease fitting hole. Turn hand tight only.
- Connect a grease gun to the grease fitting fitted on the grease feeder and fill with non-separating grease till the piston reaches the caution line. Fill the grease feeder just above the caution line to remove air pockets.
- Grease feeder unit can be refilled while mounted on the equipment. This should be accomplished before the piston reaches the base. Simply refill by attaching the grease gun to the grease fitting and fill until the piston rises to the bottom edge of the caution label. Do not overfill as overfilling can cause over-pressure which can result in top separating

from base which can cause serious head or eye injury. For refilling hard to reach applications, use remote refilling kit.

## MAINTENANCE & CLEANING

- Grease feeders require minimum maintenance for providing long trouble free service.
- The transparent dome should be kept clean and free from external dirt so that grease levels can always be seen.
- Most of the external dirt can be easily cleaned with any mild detergent.
- Grease fitting should be wiped properly before and after filling the grease.
- Special care should be taken in extremely dirty and harsh environment and frequent cleaning should be done to ensure long life.

## RECOMMENDED USE

For use with NLGI 0 to 4 non separating grease on any equipment that

- Has anti friction, oscillating or roller bearings
- Has shielded bearings with seals
- Has bronze, elite or open bearings
- Requires bearing flushing action

## WARNING!

**Don't over pressurize the spring as it can result in top separating from the base which can cause serious head or eye injury.**

## TYPES OF SPRINGS

### In PP, PA, PAN Series

Blue: Included in pack (Light Duty)

Silver: Comes as pre-installed (Medium Duty)

Red: Included in pack (Heavy Duty)

### In BA Series

Green: Comes as pre-installed (Medium Duty)

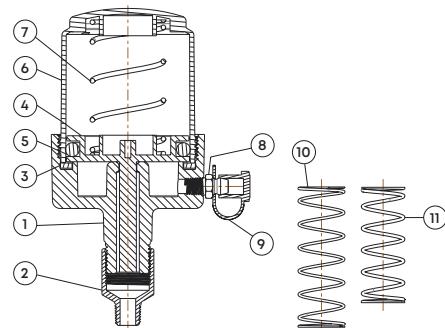
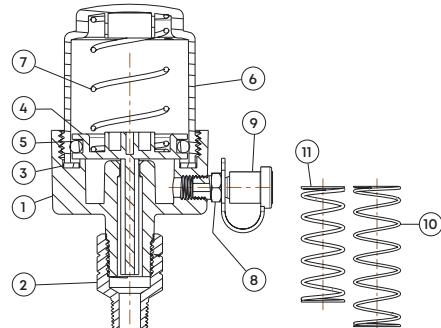
Yellow: Included in pack (Heavy Duty)

## SIZE SELECTION GUIDE

BEARING SHAFT DIA.	UPTO 1-1/2" (38 MM)				1-1/2" (38 MM) & OVER			
	OPERATING CONDITION		CLASS OF BEARING		INTERMITTENT		CONTINUOUS	
OPERATING CONDITION	OPEN	SEALED	CLASS OF BEARING	OPEN	SEALED	OPEN	SEALED	
Under 1000 RPM	1 oz. (28.5 gm)	1 oz. (28.5 gm)	OPEN	1 oz. (28.5 gm)	1 oz. (28.5 gm)	2 oz. (57 gm)	2 oz. (57 gm)	2 oz. (57 gm)
1000 to 2500 RPM	1 oz. (28.5 gm)	1 oz. (28.5 gm)	OPEN	1 oz. (28.5 gm)	1 oz. (28.5 gm)	2 oz. (57 gm)	2 oz. (57 gm)	6 oz. (171 gm)
Over 2500 RPM	2 oz. (57 gm)	1 oz. (28.5 gm)	OPEN	2 oz. (57 gm)	2 oz. (57 gm)	6 oz. (171 gm)	6 oz. (171 gm)	6 oz. (171 gm)

**SPRING SELECTION GUIDE**

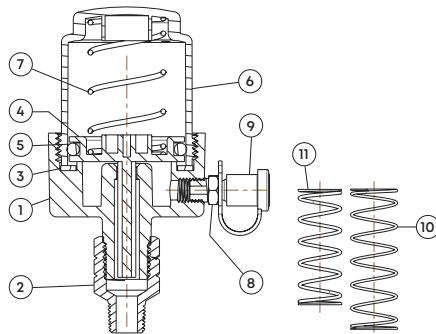
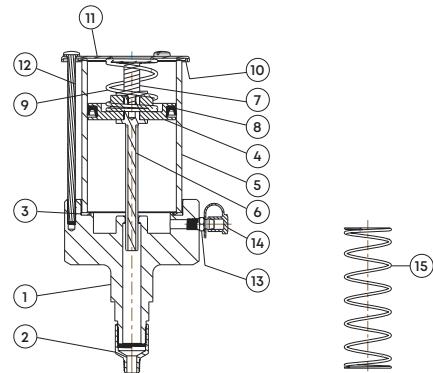
OPERATING TEMPERATURE		NLGI GREASE TYPE				
FROM	TO	NO. 0	NO. 1	NO. 2	NO. 3	NO. 4
-23°C (-10°F)	4°C (40°F)	Light	Medium	Heavy		
4°C (40°F)	43°C (110°F)	Light	Medium	Medium	Heavy	
43°C (110°F)	93°C (200°F)		Light	Medium	Medium	Heavy
93°C (200°F)	121°C (250°F)			Light	Medium	Heavy

**EXPLODED VIEW**
**Polycarbonate Bowl & Base**

**Polycarbonate Bowl & Aluminium Base**

**PARTS LIST**

SR. NO	PARTS DESCRIPTION	QTY.
1	Head	1
2	Adaptor	1
3	Washer	1
4	Piston	1
5	O-Ring	1
6	Container	1
7	Spring	1
8	Straight Lubrication Fitting	1
9	Grease Fitting Cap	1
10	Spring	1
11	Spring	1

**PARTS LIST**

SR. NO	PARTS DESCRIPTION	QTY.
1	Head	1
2	Adaptor	1
3	Washer	1
4	Piston	1
5	O-Ring	1
6	Container	1
7	Spring	1
8	Straight Lubrication Fitting	1
9	Grease Fitting Cap	1
10	Spring	1
11	Spring	1

**Polycarbonate Bowl & Nickel Plated Aluminium Base**

**Borosilicate Bowl & Aluminium Base**

**PARTS LIST**

SR. NO	PARTS DESCRIPTION	QTY.
1	Head	1
2	Adaptor	1
3	Washer	1
4	Piston	1
5	O-Ring	1
6	Container	1
7	Spring	1
8	Straight Lubrication Fitting	1
9	Grease Fitting Cap	1
10	Spring	1
11	Spring	1

**PARTS LIST**

SR. NO	PARTS DESCRIPTION	QTY.
1	Head	1
2	Adaptor	1
3	Washer	1
4	Piston	1
5	Tube	1
6	Guide (Piston)	1
7	Adaptor (Piston)	1
8	Seal (Viton)	1
9	Spring	1
10	Washer	1
11	End Cap	1
12	Screw	3
13	Straight Lubrication Fitting	1
14	Grease Fitting Cap	1
15	Spring	1



## NOTE



## NOTE



## NOTE



#### **GROZ WARRANTY POLICY**

Groz makes all efforts to ensure that its products meet the highest standards of quality and durability and warrants to the original purchaser its range of products for a period of 12 months from Groz Invoice date, against defects in materials and workmanship. If the Groz product is part of a set, only the portion that is defective is subject to this warranty.

This warranty does not apply to damage due directly or indirectly, to misuse, abuse, wear and tear, negligence or accident, repairs or alterations outside Groz plants, or to lack of maintenance. Groz shall in no event be liable for death, injuries to persons or property or for incidental, contingent, special or consequential damages arising from the use of its products. It is upto the user to determine suitability and safety of the product for their intended use, and the user assumes all risks and liability herewith.

In no event, shall Groz's liability exceed the invoiced cost of the product. In case of identification of defect covered under this warranty, the same must be notified in writing to Groz /Groz designated authorized service location. Proof of purchase date must accompany the complaint. Groz reserves the right to call back the faulty unit, all charges including transportation prepaid. On verification of the defect, the unit will be repaired or replaced with a new or reconditioned product or part of equal utility or a full refund given at Groz's discretion. The repaired /replaced units will be returned to the user freight prepaid, using most economical freight carrier. However if determined that the defect resulted from causes not within the scope of the warranty, then the cost of returning the product would be to buyer's account.

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