



Grease Fittings

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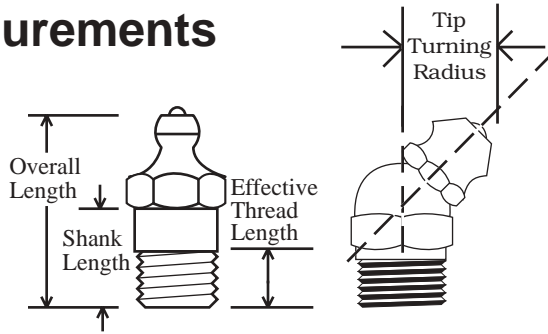
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Grease Fittings V01

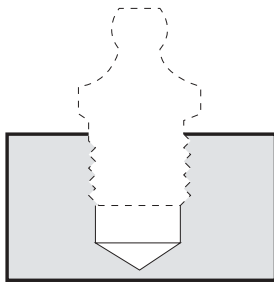
GREASE FITTINGS

Fitting Measurements

Fittings listed on these pages are shown approximately actual size with the complete dimensional data as indicated at right.

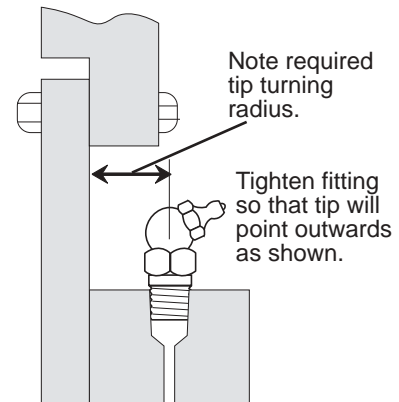
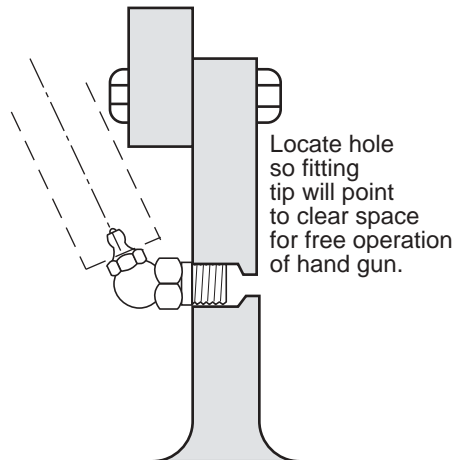
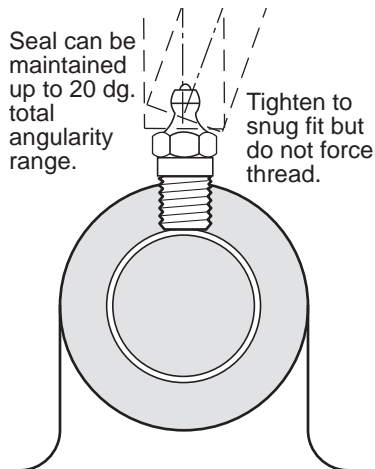


Select Proper Drills & Taps From This Table



Thread (tap) Size	1/8" Pipe Thread	1/4"-28 Straight or Taper Thread
Drill Size	11/32" (For soft metal use "R" drill)	#3 (For soft metal use #5 drill)

Installation



IMPORTANT - The tips of all fittings should be positioned to permit a clear space in a straight line away from fitting for free operation of a hand gun or control valve (seal can be maintained up to 20° total angularity range).

1. Select the proper angle or straight fitting to provide for proper clearance.
2. Be careful in positioning fittings in sub-assemblies to avoid interference from parts of other assemblies.

It is essential that all holes be accurately tapped so that fittings do not have to be screwed in too tight.

1. If original fittings are screwed in too far, the holes will become overly enlarged and service replacements will be difficult.
2. Overtightening, also, can easily strip the threads in soft alloyed metals frequently encountered. Accurate threads and moderate tightening will ensure a leakproof joint.





Grease Fitting Assortments

IBS INCORPORATED Grease Fittings Assortment No. 124R

1/4-28 Taper Thread Straight 1/4" 1641-B	1/4-28 Taper Thread Straight 3/16" 1652-B	1/4-28 Taper Thread Straight 1/2" 1680-B	1/4-28 Taper Thread 45° 1/4" 1637-B	1/4-28 Taper Thread 90° 1/4" 1911-B	1/2 Pipe Thread Straight 1/4" 1610-B
1/2 Pipe Thread Straight 3/16" 1644-B	1/2 Pipe Thread Straight 1/2" 1607-B	1/2 Pipe Thread 30° 1/4" 1611-B	1/2 Pipe Thread 45° 1/4" 1688-B	1/2 Pipe Thread 90° 1/4" 1613-B	1/2 Pipe Thread 67.5° 1/2" 1629-B
Drive Fittings Straight 1/2" Drill 1743B	Drive Fittings Straight 3/8" Drill 1608-B	Drive Fittings Straight 1/2" Drill 1728B	Drive Fittings Straight 3/8" Drill 1666-NB	Drive Fittings 65° 3/8" Drill 1646-B	
Special Thread 1/4-24 UNF-2A 1711-B	Thread Forming 1/2 Pipe Thread 1720-B	Thread Forming 1/2 Taper Thread 3038-B	Rubber Zerk Cap 5251		

INDUSTRIAL BOLT & SUPPLY, INC. 1-800-678-1906

English Standard

IBS No. 124R
21 Items — 180 pieces

IBS INCORPORATED Grease Fittings Assortment No. 225R

1/4-28 Taper thread Straight 1/4" 1641-B	1/4-28 Taper thread Straight 3/16" 1652-B	1/4-28 Taper thread 45° 1/4" 1637-B	1/4-28 Taper thread 90° 1/4" 1911-B		
1/2 Pipe thread Straight 3/16" 1610-B	1/2 Pipe thread 45° 1/4" 1688-B	1/2 Pipe thread 90° 1/4" 1613-B			
3/8" Drive Fitting Straight 3/8" Drill 1608-B	3/8" Drive Fitting Straight 1/2" Drill 1728B				
Rubber Zerk Cap 5251				1/2 NPTF Coupler Narrow 308730	1/2 NPTF Lubricator Extension Hose 317850-1F

INDUSTRIAL BOLT & SUPPLY, INC. 1-800-678-1906

IBS No. 225R
12 Items — 178 pieces

IBS INCORPORATED Metric Grease Fittings (Zerks) Assortment 232R

M6-1.0 Straight Z-1600	M6-1.0 45° Z-1621	M6-1.0 90° Z-1690
M8-1.0 Straight Z-2103	M8-1.0 45° Z-2104	M8-1.0 90° Z-2105
M10-1.0 Straight Z-2109	M10-1.0 45° Z-2110	M10-1.0 90° Z-2111
Rubber Zerk Cap 5251		

INDUSTRIAL BOLT & SUPPLY, INC. 1-800-678-1906

Metric

IBS No. 232R
10 Items - 175 pieces

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Grease Fittings V01

Hydraulic Lubrication Fittings

1/8" Pipe Thread

- **Positive seal.**
- **Thick wall construction.**
- **Made of high grade steel, case hardened and zinc plated to provide resistance to nicks, corrosion and wear.**
- **With high pressure ball check, unless otherwise specified.**



1610-B
Straight
Qty : 25



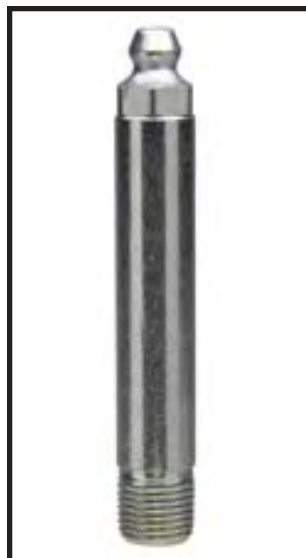
1644-B
Short
Straight
Qty : 25



1607-B
1-1/4" Long
Straight
Qty : 25



1669-B
1-3/4" Long
Straight
Qty : 10



1684-B
2-5/8" Long
Straight
Qty : 10

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Hydraulic Lubrication Fittings

1/8" Pipe Thread



1638-B
30°
2-3/32"
Qty: 10



1611-B
30°
Qty : 25



1688-B
45°
Qty : 25



1612-B
65°
Qty : 25



1613-B
90°
Qty: 25



1618-B
Female
Straight
Qty: 25

1/4" Pipe Thread

- Recommended for heavy lubricants in cold weather.
- Typical application: Large bearings on farm machinery and industrial equipment.



1627-B
Straight
Qty : 10



1629-B
67.5°
Qty : 10

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Hydraulic Lubrication Fittings

1/4"-28 Taper Thread

- **Conforms to Society of Automotive Engineers (SAE) lubrication thread specification.**
- **Their small thread size make these fittings very popular for most cars and trucks.**



1641-B
Tapered Thread
Straight
Qty : 25



1652-B
Tapered Thread
Straight
Qty: 25



1680-B
Tapered Thread
31/32" Straight
Qty : 25



1636-B
45°
Short
Qty : 25



1637-B
Tapered Thread
45°
Qty : 25



1911-B
Tapered Thread
90°
Qty : 25



5251
Qty. 25

Rubber Zerk Cap

These rubber caps easily slip on and off grease fittings to provide protection against dirt, rocks, chemicals and impact from other sources. Reusable.



Thread Forming Fittings

- **Special tapered drive threads** reshape the material in an untapped hole to provide a leak-proof seal.
- **Most effectively installed** by spinning into an untapped hole but may also be driven straight into an untapped hole.
- **May be replaced** by any standard threaded fitting.
- **Dyed red** for identification.



1/8" Pipe Special Taper Thread
Rec. Hole Size - .373 to .380"

1720-B
Straight
Thread-Cutting
Qty : 25



1/4"-28 Special Taper Thread
Rec. Hole Size - .230 to .235"

3038-B
Straight
Thread-Cutting
Qty : 25

Special Thread

- **Leaf springs.**
- **5/16"-24 UNF - 2A.**



1711-B
Qty : 25

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Hydraulic Lubrication Fittings

Drive Fittings

- **Serrated shank grips** securely and simplifies the replacement of damaged fittings in old or oversize holes.
- **Recommended for low and medium pressures only.**
- **Indicated drill sizes are for guidance only.** Actual drill size will vary depending on metal hardness. Exact drill size can only be determined by sample drilling of the actual metal. When drilled to proper tolerance the serrated edge of the fitting will provide a secure, lasting grip.



3019-NB
1/8" Straight
No Ball Check
Qty : 25



1728-B
3/16" Straight
Ball Check
Qty : 25



1646-B
3/16" 45°
Qty : 25



1743-B
1/4" Straight
Ball Check
Qty : 25



1608-B
5/16" Straight
Ball Check
Qty : 25



1666-NB
3/8" Straight
No Ball Check
Qty : 25





Hydraulic Lubrication Fittings

Metric Thread

6mm x 1mm (pitch) Taper Metric Thread



Z-1600
Straight
Qty : 25



Z-1621
45°
Qty : 25



Z-1690
90°
Qty : 25

8mm x 1mm (pitch) Metric Taper Thread



Z-2103
Straight
Qty : 25



Z-2104
45°
Qty : 25



Z-2105
90°
Qty : 25

10mm x 1mm (pitch) Taper Metric Thread



Z-2109
Straight
Qty : 25



Z-2110
45°
Qty : 25



Z-2111
90°
Qty : 25

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Grease Fittings V01

GREASE FITTINGS

Hydraulic Couplers

- Provides quick, positive leak-proof connection with hydraulic fittings.
- Grease pressure forces 3 hardened steel jaws against fitting.



308730

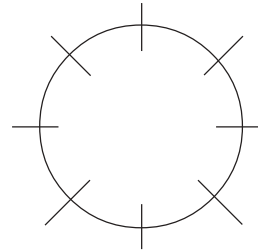
<u>IBS No.</u>	<u>Type</u>	<u>Thread</u>	<u>Qty</u>
308730	Narrow	1/8" NPTF	5
6509-E	Swivel	1/8" NPTF	1

Swivel Coupler

- Coupler swivels a full 360°.
- Locks in any of eight positions.
- Ideal for engaging out-of-the way fittings.
- Use 1/8" NPTF pipe extension to connect coupler to gun outlet.
- Narrow diameter coupler.
- Rubber seal.
- Length 4".



6509-E



Hydraulic Fitting Tools

Drive Tools For Straight and Angle-type Drive Fittings

<u>IBS No.</u>	<u>For Drive Fittings</u>
5253	1666-NB, 1743B, 3019N
5253-1	1608-B, 1743B
5253-3	1728B



5253

Easy-Out Fitting Tools

Extract broken fittings, rethread holes and install fittings with one tool.



B315790

<u>IBS No.</u>	<u>For Fittings w/Thread</u>
B315790	1/4"-28 Taper Thread
B315791	1/8" n.p.t.



B315791



TOOLS SOLD IN QUANTITIES OF ONE

Medium Duty Grease Guns

IBS No. 500HD

- Develops pressure up to 10,000 psi.
- Automatic variable pressure.
- Delivery: 1 oz. per 21 strokes.
- Air vent fitting.
- Vinyl grip.
- Deluxe pull handle with heavy-duty rivets & positive stop.
- Heavy-duty one-piece head.
- Three-way loading - loader fitting included.



500HD

IBS No. 525HD

- Three-way loading - loader fitting included.
- 4500/3000 psi.
- Automatic variable pressure.
- Delivery - 1 oz. per 33, 16 strokes.
- Air vent fitting.
- Vinyl grip.
- Deluxe pull handle with heavy duty rivets.
- Heavy duty one-piece head.



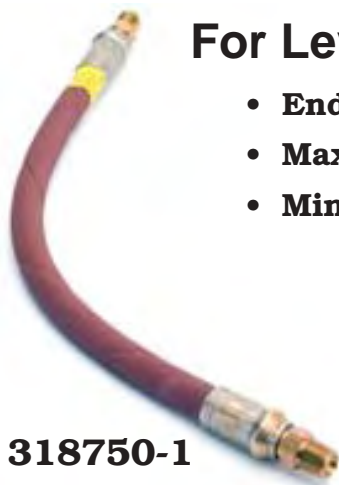
525HD

GREASE GUNS SOLD IN QUANTITIES OF ONE

Flexible Lubricator Extension Hose

For Lever and Screw-type Hand Guns

- End connections are 1/8" NPTF (m).
- Maximum working pressure : 4800 psi.
- Minimum burst pressure : 12,000 psi.



318750-1

IBS No.	Length	Qty
317850-1	12"	1
317850-1F	18"	1



318750-1F





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Grease Fittings V01

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