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# HLBD REMOTE GREASE HOSE

Parflex Hose and Fittings for Remote Grease Lines



# PARKER LUBRICATION PRODUCTS

## The Importance of Lubrication

Lubrication is more than simply an additive to a machine; it is an **integral component** of that machine and therefore should be closely monitored to ensure it maintains its quality.

Bearing problems caused by inadequate lubrication have many forms, including roller end scoring from metal-to-metal contact and excessive wear on rollers and raceways. Excessive heat can cause rib face scoring or “welding” damage, and/or deformation. In extreme cases, inadequate lubrication causes rollers to skew or slide sideways, leading to bearing lockup.

There are signs that indicate when bearing lubrication is inadequate or in excess. If these signs are detected soon enough, conditions can be corrected before catastrophic damage occurs.

With inadequate lubrication, gauges and operating temperatures will show the bearing is running hot, and it will become noisy from metal-to-metal contact. With excess lubrication, the lubricant can break down due to increased operating temperatures, as indicated by a dark brownish-black color.

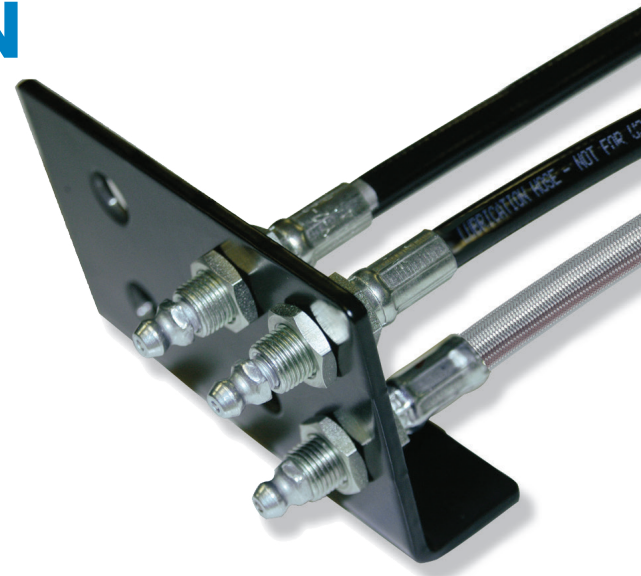
With proper lubricant application and a regular maintenance schedule, bearing damage from lubrication problems can be avoided.

Here are some tips to ensure proper bearing lubrication:

- **Follow lubrication guidelines established by the equipment builder.**
- **When grease packing a bearing, force the grease between the rollers and cage to ensure the bearing is packed completely full.**
- **Watch equipment gauges for early indications of a problem, such as unusually high temperatures.**
- **Listen for noise or unusual vibration.**
- **Watch for lubricant leaks**

Lubrication is **essential** to all the moving parts, especially bearings, and it also serves to carry away heat and **protect bearing** surfaces from corrosion and wear.

The products in this brochure are designed to handle the harsh environment associated with lubrication. Parker engineers have designed these hoses, fittings and accessories based on safety and ease of use.



# HLBD - Remote Lubrication Hose

## Nylon Core Tube



### Features

- Compact 1/8" I.D. hoses save hundreds of dollars of waste in your operation by eliminating gallons of unnecessary "in-line" grease versus larger bore rubber hoses
- HLBD remote lubrication system versus 1/4" rubber hoses can save money per line in reduced component and installation labor costs
- Unique GK bulkhead hose fittings with integrated nipple can save money per zerk connection in unnecessary adapter costs

### Compliance

- Meets/Exceeds SAE J517 100R7
- MSHA compliant cover

### Series HLBD

[Visit the webpage](#)

Part Number	Nominal I.D.		Maximum O.D.		Max. Working Pressure 73°F/ 23°C		Minimum Bend Radius		Weight		Permanent Series	Field Attachable Series
	inch	mm	inch	mm	psi	MPa	inch	mm	lbs/ft	kg/mtr		
HLBD02	1/8	3.2	0.32	8.1	3,000	20.7	1/2	13	0.03	0.04	CY	BU

### Construction

- Tube: Nylon
- Reinforcement: Fiber
- Cover: Polyurethane

### Fittings

- CY Series, BU Series
- For most Parker products, Crimp Die Selection charts are found online at [www.parker.com/crimpsource](http://www.parker.com/crimpsource)

### Operating Parameters

- Temperature Range:
  - Petroleum base hydraulic fluids and lubricating oils within temperature range -40°F (-40°C) to 212°F (100°C)
  - BU Series Field Attachable Fitting limited to 120°F (48°C)
- Vacuum Rating: 28 inch Hg
- Change in length at Max. Working Pressure: +/-3%
- Min. Burst Pressure is 4x Max. Working Pressure at 73°F (23°C)

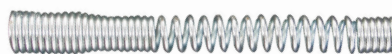
### Notes

- Perforated cover - HLBD02
- Field attachable fittings are not intended for use on hose that has been previously in service

### Color

- Black

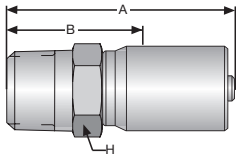
Accessories	
Part Number	Description
NA-6520	Grease Zerk
2GK-Nut	Bulkhead Nut
CY02-652317	HLB02 Spring Guard



# CY Series Fittings

## Permanent

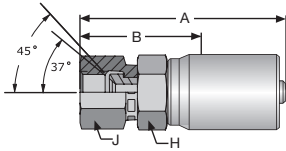
### 101CY Male Taper Pipe Rigid



Part Number	Thread Size	Hose I.D.		A		Cutoff Allow. B		H Hex
		inch	mm	inch	mm	inch	mm	inch
101CY-2-2	1/8-27	1/8	3	1.31	33	13/16	21	7/16
101CY-4-2	1/4-18	1/8	3	1.51	38	1	25	9/16

Construction: Steel. Add "C" for Stainless Steel.

### 106CY Female SAE (JIC) 37° Swivel

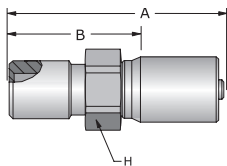


Part Number	Thread Size	Hose I.D.		A		Cutoff Allow. B		H Hex	J Hex
		inch	mm	inch	mm	inch	mm	inch	inch
106CY-2-2	5/16-24	1/8	3	1.52	39	15/16	24	7/16	7/16
106CY-3-2	3/8-24	1/8	3	1.53	39	1	25	1/2	1/2
106CY-4-2	7/16-20	1/8	3	1.59	40	1	25	9/16	9/16

Construction: Steel. Add "C" for Stainless Steel.

NOTE: Size -4 incorporates a dual seat.

### 1GKCY Bulkhead with Integrated Zerk Port Bulkhead Nut and Grease Zerk

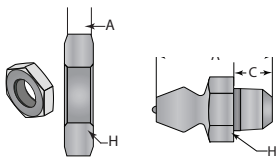


Part Number	Thread Size	Hose I.D.		A		Cutoff Allow. B		H Hex
		inch	mm	inch	mm	inch	mm	inch
1GKCY-2-2*	1/8-27 NPSM Male with 1/4-28 UNF Female	1/8	3	1.45	37	7/8	22	1/2
1GKCY-2-L77**	1/8-27 NPSM Male with 1/4-28 UNF Female	1/8	3	1.71	43	1-1/4	32	1/2

Construction: Steel. Add "C" for Stainless Steel.

NOTE: \*Standard bulkhead for use with plates up to 1/4" thick. Uses 2GK-NUT, sold separately.

\*\*Long bulkhead for use with plates under 3/4" thick. Uses 2GK-NUT, sold separately.



2GK-Nut

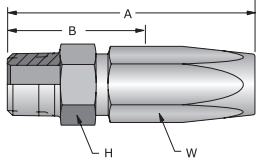
NA-6520

Part Number	Description	Thread Size	A		C		H Hex
			inch	mm	inch	mm	inch
2GK-Nut	Bulk-head Nut	1/8-27 NPSM	0.188	4.8	na	na	11/16
NA-6520	Grease Zerk	1/4-28 UNF	0.540	13.7	0.18	4.6	5/16
CY02-652317	HLB02 Spring Guard	-	-	-	-	-	-

# BU Series Fittings

## Field Attachable

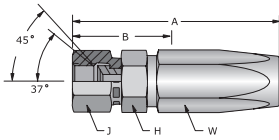
### 201BU Male Taper Pipe Rigid



Part Number	Thread Size	Hose I.D.		A		Cutoff Allow. B		H Hex	W Hex
		inch	mm	inch	mm	inch	mm	inch	inch
201BU-2-2	1/8-27	1/8	3	1.50	38	1	25	7/16	7/16

Construction: Steel.

### 206BU Female SAE (JIC) 37° Swivel

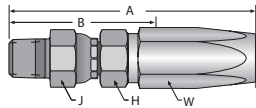


Part Number	Thread Size	Hose I.D.		A		Cutoff Allow. B		H Hex	J Hex	W Hex
		inch	mm	inch	mm	inch	mm	inch	inch	inch
206BU-3-2	3/8-24	1/8	3	1.72	44	1-3/16	30	1/2	9/16	7/16
206BU-4-2	7/16-20	1/8	3	1.77	45	1-3/16	30	9/16	9/16	7/16

Construction: Steel.

NOTE: Size -4 incorporates a dual seat.

### 213BU Male Taper Pipe Swivel



Part Number	Thread Size	Hose I.D.		A		Cutoff Allow. B		H Hex	J Hex	W Hex
		inch	mm	inch	mm	inch	mm	inch	inch	inch
213BU-2-2	1/8-27	1/8	3	2.07	53	1-1/2	38	1/2	1/2	7/16

Construction: Steel.



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