

ZERO-MAX

OHLA[®] **Overhung Load Adaptors**



**DISTRIBUIDOR
AUTORIZADO**

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OHLA[®]

Overhung Load Adaptors

Zero-Max is a world-leading expert in Overhung Load Technology

The first complete line of SAE "A" through SAE "F" mount OHLA Overhung Load Adaptors was designed by ZERO-MAX. We set the industry standard with the OHLA design. Today, we provide immediate shipment of standard models from stock.

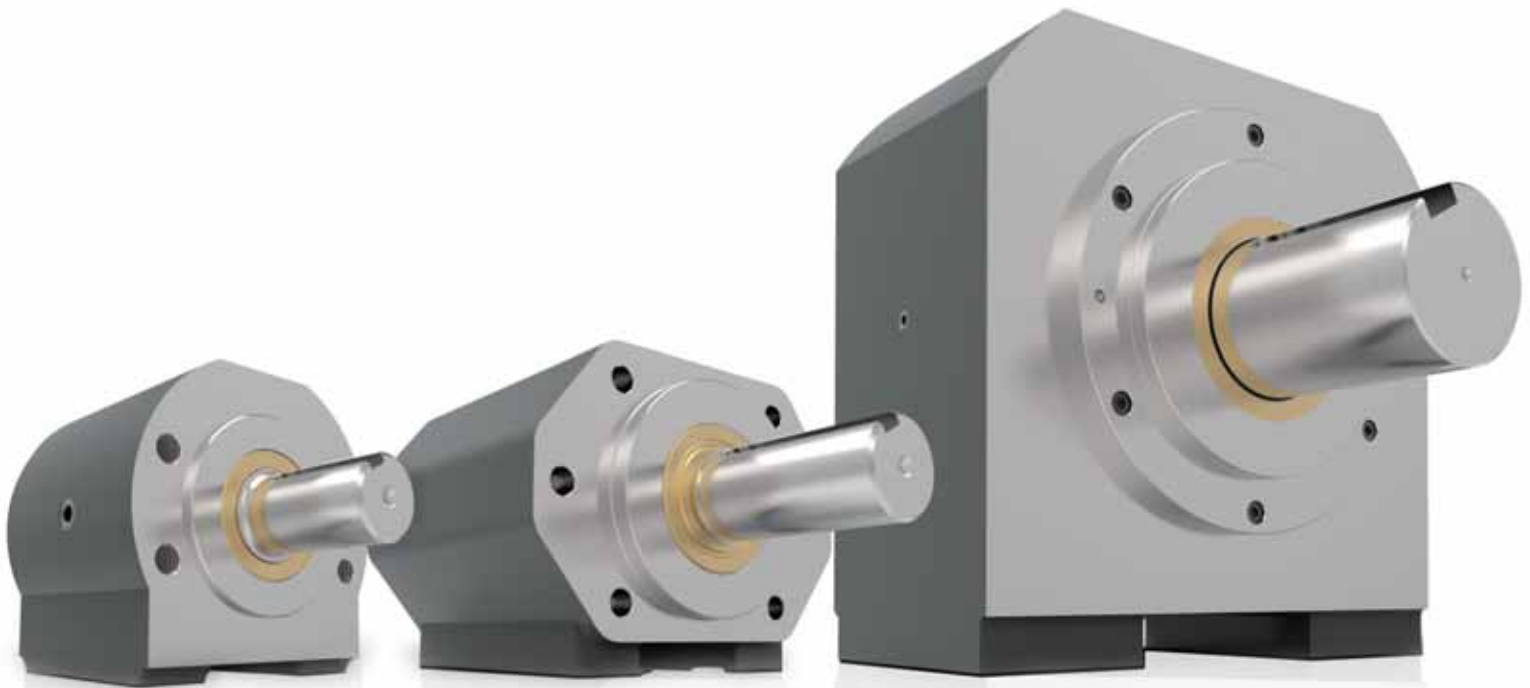
From the smallest Model 200 SAE "A" mount to the largest Model 1500 SAE "F" mount, OHLAs feature rugged housings of cast iron, shafts of 130,000 PSI stress proof steel, ball, tapered, or spherical roller bearings, many different shaft options and attractively painted housings. All models may be either face-or foot-mounted.

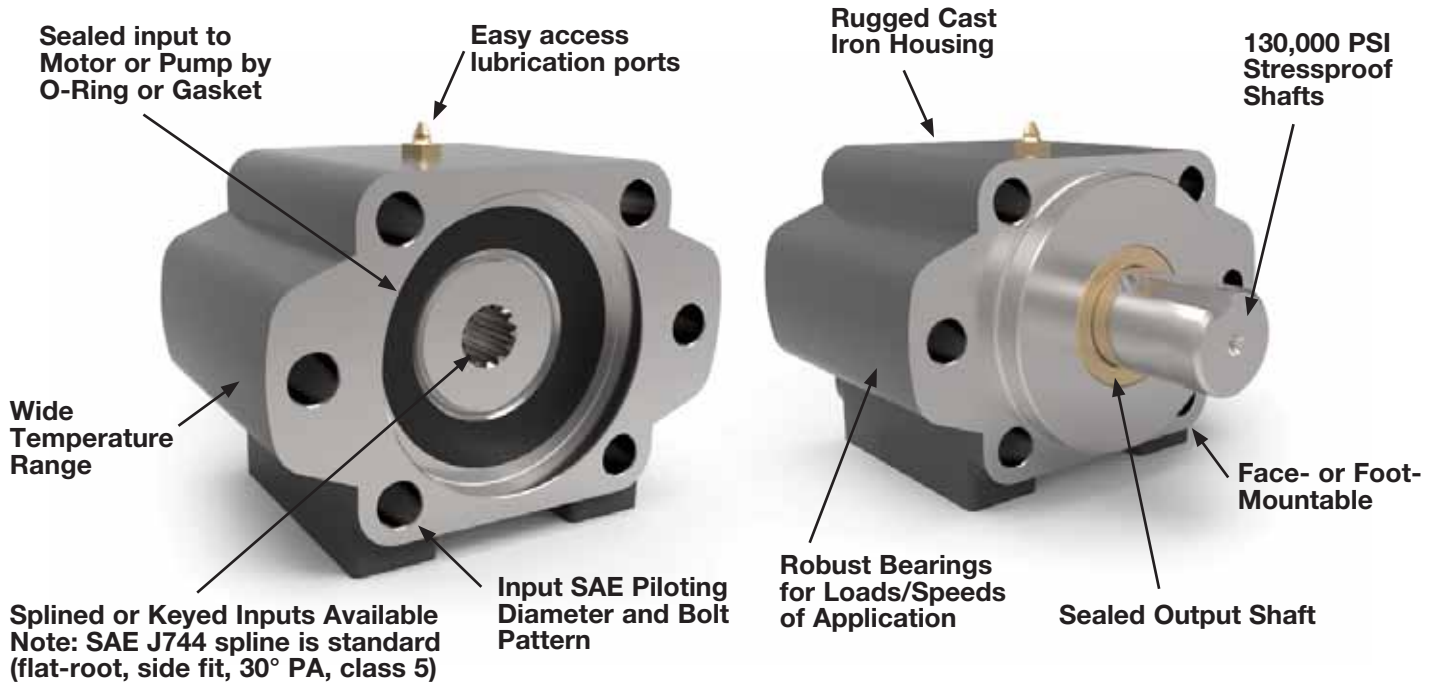
We offer many custom options or we'll create a special design for your application when needed. See pages 45-47 for more details.

Count on OHLAs for these important benefits:

- Eliminates premature motor or pump failure due to overhung loads (axial and radial) on your motor or pump shaft
- Prevents contamination of hydraulic fluid in harsh environments
- Provides a solid, permanent mounting surface
- Permits the removal of hydraulic motors for servicing without disturbing driven gears, pulleys or sprockets
- Seals out dirt, grime, and other contaminants

*Call a ZERO-MAX technical sales representative now. There's a model and size OHLA to handle every design need – or we'll engineer a special one just for you. **1-800-533-1731***





OHLA Adaptors SAE "A" to "F"

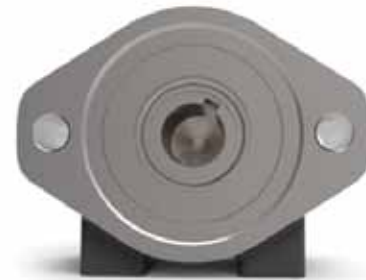
	SAE A 2-bolt mounting Input Pilot Diameter 3.250" Pages 4-15		SAE D 2-bolt or 4-bolt mounting Input Pilot Diameter 6.000" Pages 38-39
	Non-SAE 4-bolt mounting Input Pilot Diameter 1.750" Pages 16-21		SAE E 4-bolt mounting Input Pilot Diameter 6.500" Pages 40-41
	SAE A 2-bolt or 4-bolt mounting Input Pilot Diameter 3.250" Pages 22-25		SAE F 4-bolt mounting Input Pilot Diameter 7.000" Pages 42-43
	SAE B 2-bolt or 4-bolt mounting Input Pilot Diameter 4.000" Pages 26-31		OHLA Sizing and Selection Pages 44
	SAE C 2-bolt or 4-bolt mounting Input Pilot Diameter 5.000" Pages 32-37		OHLA Specials Pages 45-47



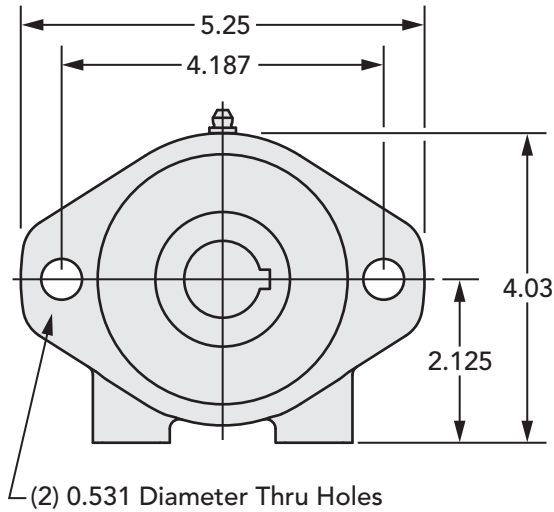
Features

- SAE A 2-bolt mounting
- Deep Groove Ball Bearings
- May be either Face-mounted or Foot-mounted
- Provides a sturdy mounting base for the motor or pump
- Supports heavy radial and axial loads - protecting the hydraulic motor or pump
- Reduces downtime and maintenance costs
- Protects pump or motor shaft seal from harmful contaminants

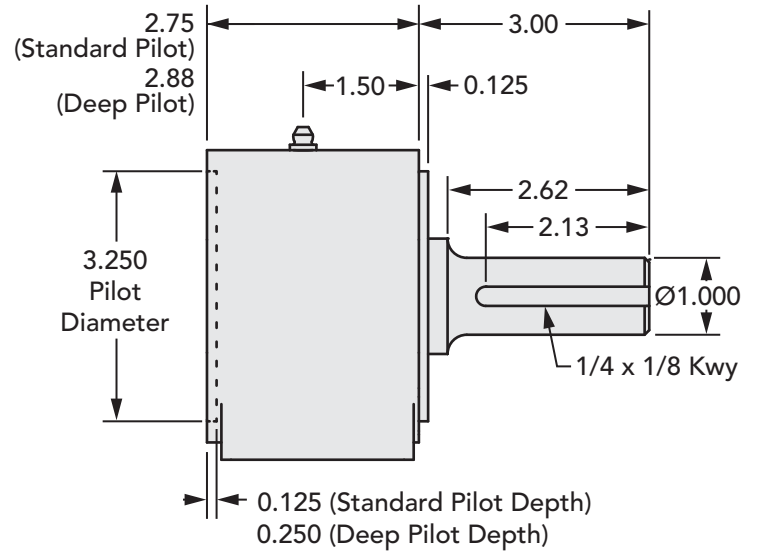
210 Series data	
Input Standard	SAE A 2-bolt
Input Pilot Diameter	3.250"
Input Pilot Depth	(standard housing) 0.125" (deep pilot option) 0.250"
Input Pilot Sealing Method	Buna-N Gasket
Input Bore Diameter and Depth	1" keyed - bore depth is 2.31" 5/8" keyed - bore depth is 2.31" 3/4" keyed - bore depth is 2.81" 9 tooth 16/32 spline - bore depth is 1.68"
Output Shaft Diameter	1"
Output Shaft Keyway	1/4" x 1/8" keyway
Output Shaft Keyway Length	2.00"
Output Shaft Length	2.87"
Output Shaft Seal Type	Double-lip with Garter Spring
Output Pilot Diameter	3.250"
Output Pilot Height	0.120"
Shaft Material	1144 Stressproof Steel
Bearing Type	Deep Groove Ball Bearings
Standard Lubrication Method	Grease
Optional Lubrication Methods	Please Consult Factory
Grease Fitting	(1) Standard Zerk Fitting
Grease Capacity	Minimum 0.5 oz. (30% of the housing fill) Maximum 1.0 oz. (60% of the housing fill)
Grease Type (recommended for typical applications)	NLGI #2
Recommended Grease Base	Lithium
Standard Mounting Orientation	Shaft Horizontal - Consult Factory for other Mounting Orientations
Maximum Speed Without Modification	3800 RPM
Housing Material	Cast Iron
Housing Feet - Threaded Holes	(4) 3/8"-16 UNC x 0.68" deep
Housing Grease Ports	Press-fit Zerk Fitting
Unit Weight	10.0 lbs



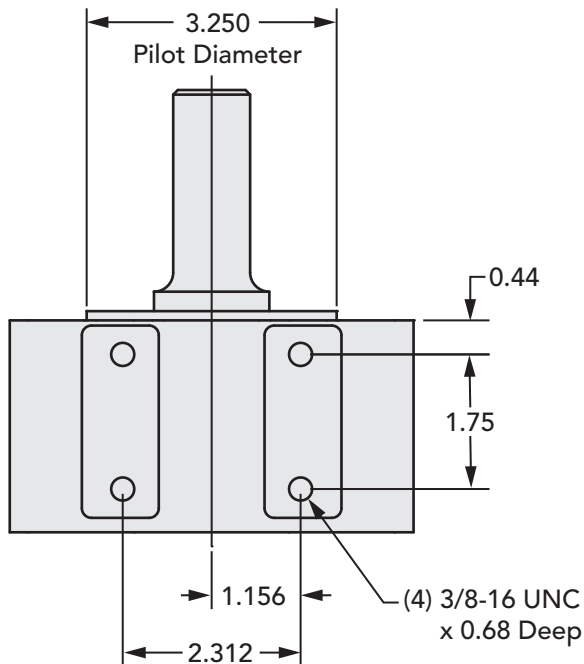
Input End View



Side View



Bottom View

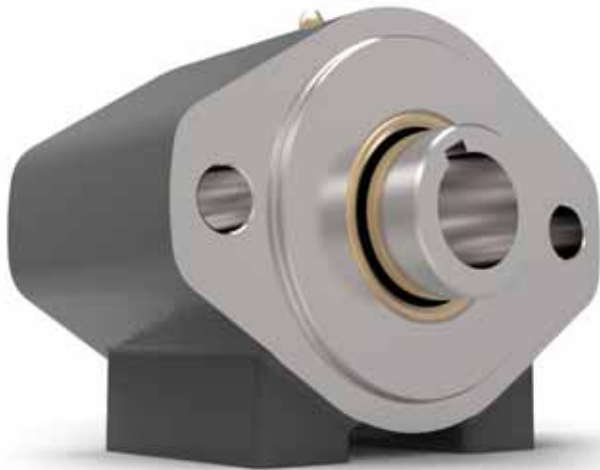


How to Order

Standard 210 Series models

Part Number	Output Shaft - Keyway	Input Bore - Keyway
210	1" - 1/4 x 1/8	1" - 1/4 x 1/8
210-DP	1" - 1/4 x 1/8	1" - 1/4 x 1/8
210-9S	1" - 1/4 x 1/8	9 tooth 16/32 spline
210-9S-DP	1" - 1/4 x 1/8	9 tooth 16/32 spline
210-10	1" - 1/4 x 1/8	5/8" - 5/32 x 5/64
210-10-DP	1" - 1/4 x 1/8	5/8" - 5/32 x 5/64
210-12	1" - 1/4 x 1/8	3/4" - 3/16 x 3/32
210-12-DP	1" - 1/4 x 1/8	3/4" - 3/16 x 3/32

Note: Part numbers with -DP on the end call out a Deep pilot option.
Standard pilot depth is 0.125" and the Deep pilot depth is 0.250"

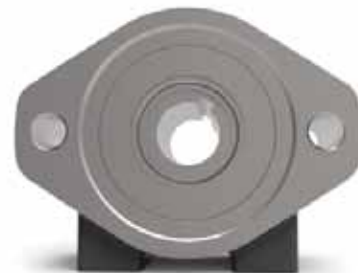
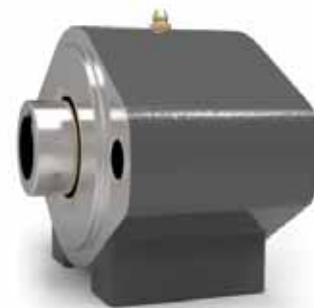


Features

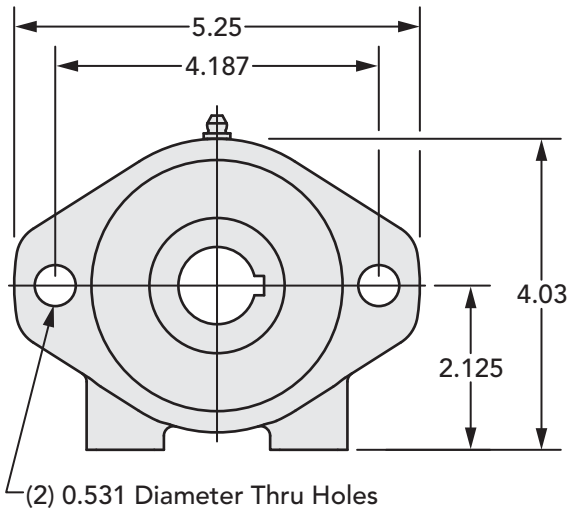
- SAE A 2-bolt mounting
- Deep Groove Ball Bearings
- May be either Face-mounted or Foot-mounted
- Provides a sturdy mounting base for the motor or pump
- Supports heavy radial and axial loads - protecting the hydraulic motor or pump
- Reduces downtime and maintenance costs
- Protects pump or motor shaft seal from harmful contaminants

210F Series data

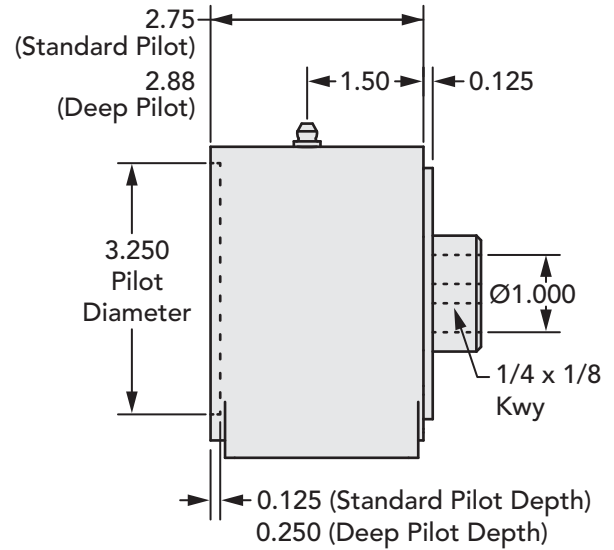
Input Standard	SAE A 2-bolt
Input Pilot Diameter	3.250"
Input Pilot Depth	(standard housing) 0.125" (deep pilot option) 0.250"
Input Pilot Sealing Method	Buna-N Gasket
Input Bore Diameter and Depth	1" through-bore
Output Shaft Diameter	1" through-bore
Output Shaft Keyway	1/4" x 1/8" keyway entire length of bore
Output Shaft Length	0.62" extension
Output Shaft Seal Type	Double-lip with Garter Spring
Output Pilot Diameter	3.250"
Output Pilot Height	0.120"
Shaft Material	1144 Stressproof Steel
Bearing Type	Deep Groove Ball Bearings
Standard Lubrication Method	Grease
Optional Lubrication Methods	Please Consult Factory
Grease Fitting	(1) Standard Zerk Fitting
Grease Capacity	Minimum 0.5 oz. (30% of the housing fill) Maximum 1.0 oz. (60% of the housing fill)
Grease Type (recommended for typical applications)	NLGI #2
Recommended Grease Base	Lithium
Standard Mounting Orientation	Shaft Horizontal - Consult Factory for other Mounting Orientations
Maximum Speed Without Modification	3800 RPM
Housing Material	Cast Iron
Housing Feet - Threaded Holes	(4) 3/8"-16 UNC x 0.68" deep
Housing Grease Ports	Press-fit Zerk Fitting
Unit Weight	10.0 lbs



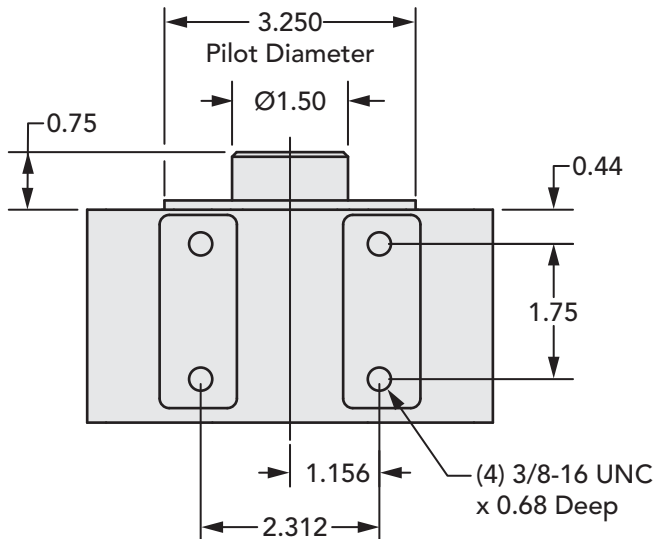
Input End View



Side View



Bottom View



How to Order

Standard 210 Series models

Part Number	Output Shaft - Keyway	Input Bore - Keyway
210F	1" bore - 1/4 x 1/8	1" - 1/4 x 1/8
210F-DP	1" - 1/4 x 1/8	1" - 1/4 x 1/8

Note: Part numbers with -DP on the end call out a Deep pilot option.
Standard pilot depth is 0.125" and the Deep pilot option is 0.250"

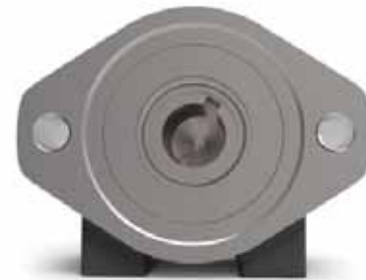


Features

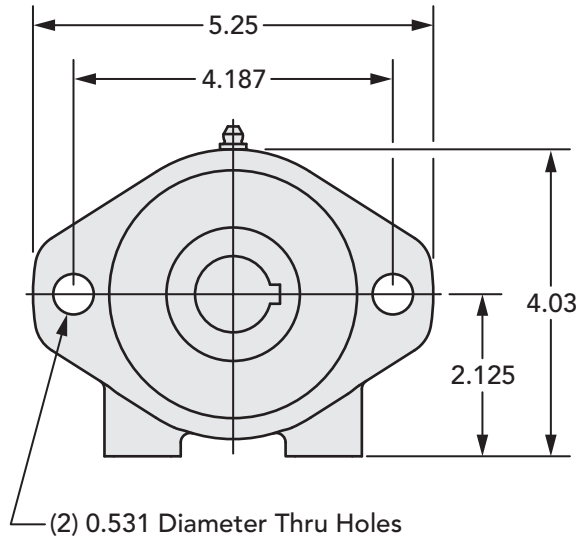
- SAE A 2-bolt mounting
- Deep Groove Ball Bearings
- May be either Face-mounted or Foot-mounted
- Provides a sturdy mounting base for the motor or pump
- Supports heavy radial and axial loads - protecting the hydraulic motor or pump
- Reduces downtime and maintenance costs
- Protects pump or motor shaft seal from harmful contaminants

215 Series data

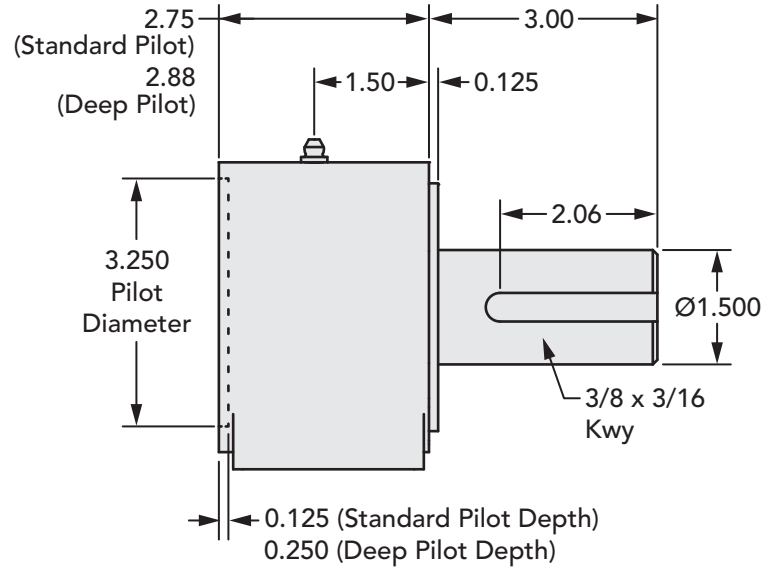
Input Standard	SAE A 2-bolt
Input Pilot Diameter	3.250"
Input Pilot Depth	(standard housing) 0.125" (deep pilot option) 0.250"
Input Pilot Sealing Method	Buna-N Gasket
Input Bore Diameter and Depth	1" keyed - bore depth is 2.31" 3/4" keyed - bore depth is 2.81"
Output Shaft Diameter	1-1/2"
Output Shaft Keyway	3/8" x 3/16" keyway
Output Shaft Keyway Length	2.00"
Output Shaft Length	2.87"
Output Shaft Seal Type	Double-lip with Garter Spring
Output Pilot Diameter	3.250"
Output Pilot Height	0.120"
Shaft Material	1144 Stressproof Steel
Bearing Type	Deep Groove Ball Bearings
Standard Lubrication Method	Grease
Optional Lubrication Methods	Please Consult Factory
Grease Fitting	(1) Standard Zerk Fitting
Grease Capacity	Minimum 0.5 oz. (30% of the housing fill) Maximum 1.0 oz. (60% of the housing fill)
Grease Type (recommended for typical applications)	NLGI #2
Recommended Grease Base	Lithium
Standard Mounting Orientation	Shaft Horizontal - Consult Factory for other Mounting Orientations
Maximum Speed Without Modification	3800 RPM
Housing Material	Cast Iron
Housing Feet - Threaded Holes	(4) 3/8"-16 UNC x 0.68" deep
Housing Grease Ports	Press-fit Zerk Fitting
Unit Weight	10.0 lbs



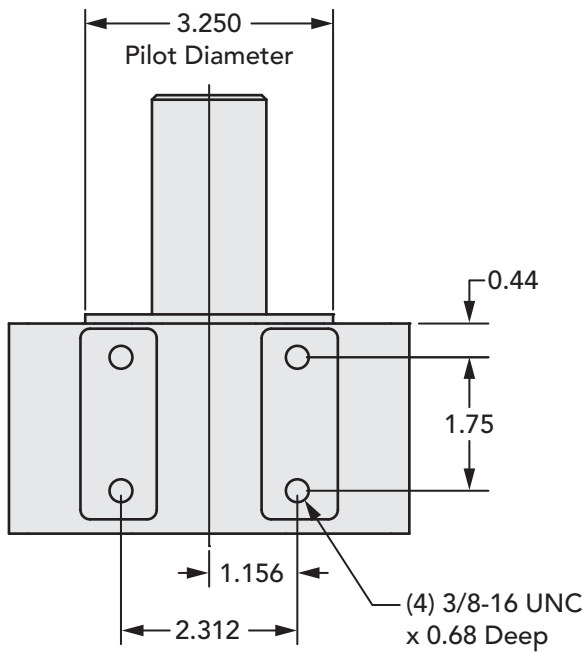
Input End View



Side View



Bottom View

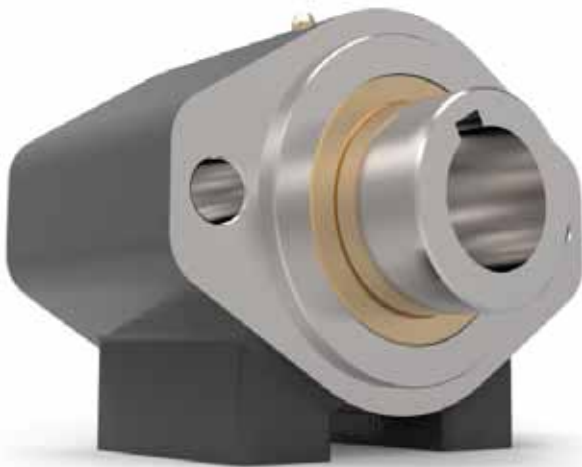


How to Order

Standard 215 Series models

Part Number	Output Shaft - Keyway	Input Bore - Keyway
215	1-1/2" - 3/8 x 3/16	1" - 1/4 x 1/8
215-DP	1-1/2" - 3/8 x 3/16	1" - 1/4 x 1/8
215-12	1-1/2" - 3/8 x 3/16	3/4" - 3/16 x 3/32
215-12-DP	1-1/2" - 3/8 x 3/16	3/4" - 3/16 x 3/32

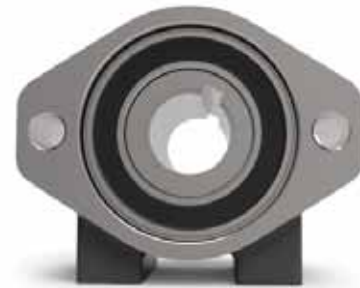
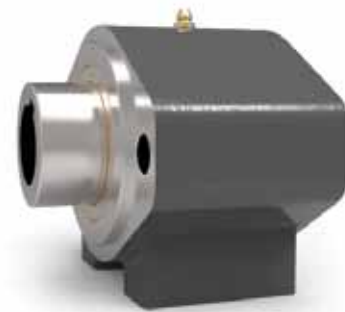
Note: Part numbers with -DP on the end call out a Deep pilot option.
Standard pilot depth is 0.125" and the Deep pilot option is 0.250"



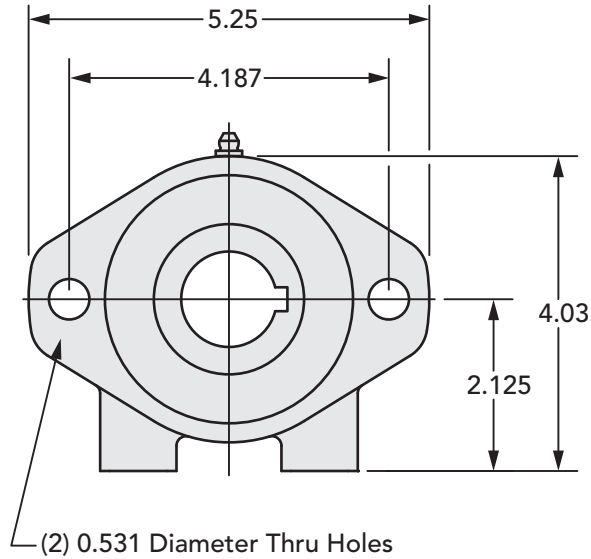
Features

- SAE A 2-bolt mounting
- Heavy Duty Deep Groove Ball Bearings
- May be either Face-mounted or Foot-mounted
- Provides a sturdy mounting base for the motor or pump
- Supports heavy radial and axial loads - protecting the hydraulic motor or pump
- Reduces downtime and maintenance costs
- Protects pump or motor shaft seal from harmful contaminants

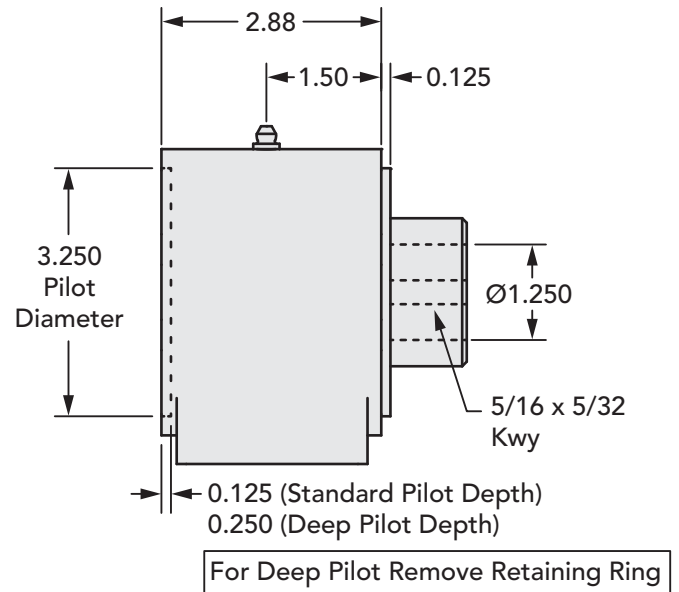
300F Series data	
Input Standard	SAE A 2-bolt
Input Pilot Diameter	3.250"
Input Pilot Depth	(standard housing) 0.125" (deep pilot option) 0.250"
Input Pilot Sealing Method	Buna-N Gasket
Input Bore Diameter and Depth	1-1/4" through-bore
Output Shaft Diameter	1-1/4" through-bore
Output Shaft Keyway	1/4" x 1/8" keyway the entire length of the bore
Output Shaft Keyway Length	1/4" x 1/8" keyway the entire length of the bore
Output Shaft Length	1.00" extension
Output Shaft Seal Type	Double-lip with Garter Spring
Output Pilot Diameter	3.250"
Output Pilot Height	0.125"
Shaft Material	1144 Stressproof Steel
Bearing Type	Deep Groove Ball Bearings
Standard Lubrication Method	Grease
Optional Lubrication Methods	Please Consult Factory
Grease Fitting	(1) Standard Zerk Fitting
Grease Capacity	Minimum 0.7 oz. (30% of the housing fill) Maximum 1.4 oz. (60% of the housing fill)
Grease Type (recommended for typical applications)	NLGI #2
Recommended Grease Base	Lithium
Standard Mounting Orientation	Shaft Horizontal - Consult Factory for other Mounting Orientations
Maximum Speed Without Modification	3100 RPM
Housing Material	Cast Iron
Housing Feet - Threaded Holes	(4) 3/8"-16 UNC x 0.68" deep
Housing Grease Ports	Press-fit Zerk Fitting
Unit Weight	10.0 lbs



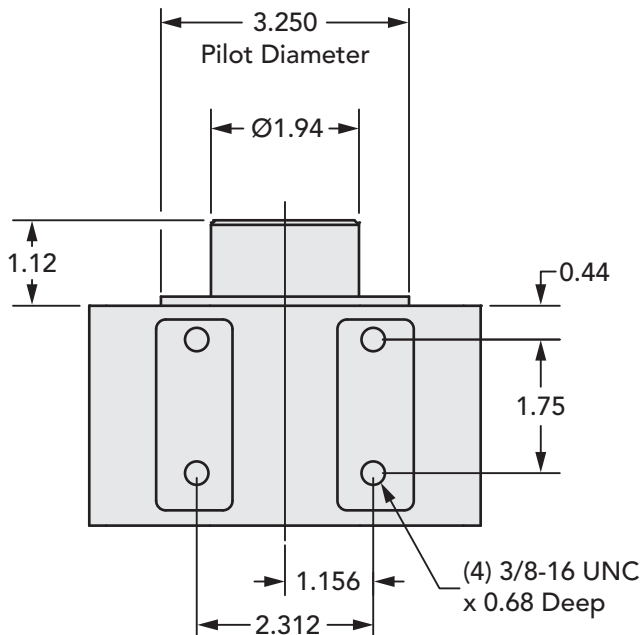
Input End View



Side View



Bottom View



How to Order

Standard 300F Series models

Part Number	Output Shaft - Keyway	Input Bore - Keyway
300F	1-1/4" bore - 5/16 x 5/32	1-1/4" - 5/16 x 5/32
300F-DP	1-1/4" bore - 5/16 x 5/32	1-1/4" - 5/16 x 5/32

Note: Part numbers with -DP on the end call out a Deep pilot option.
Standard pilot depth is 0.125" and the Deep pilot option is 0.250"

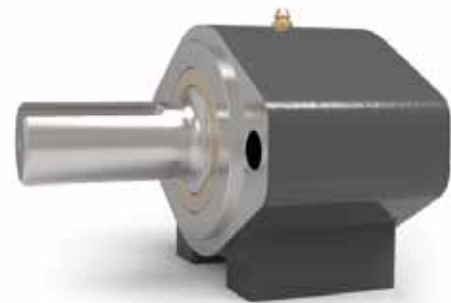


Features

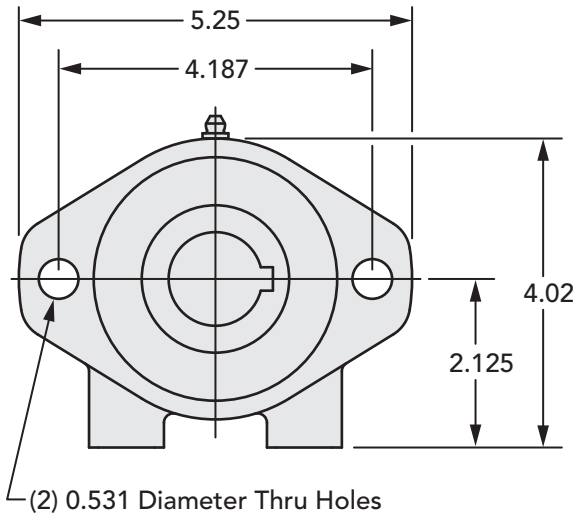
- SAE A 2-bolt mounting
- Heavy Duty Deep Groove Ball Bearings
- May be either Face-mounted or Foot-mounted
- Provides a sturdy mounting base for the motor or pump
- Supports heavy radial and axial loads - protecting the hydraulic motor or pump
- Reduces downtime and maintenance costs
- Protects pump or motor shaft seal from harmful contaminants

312 Series data

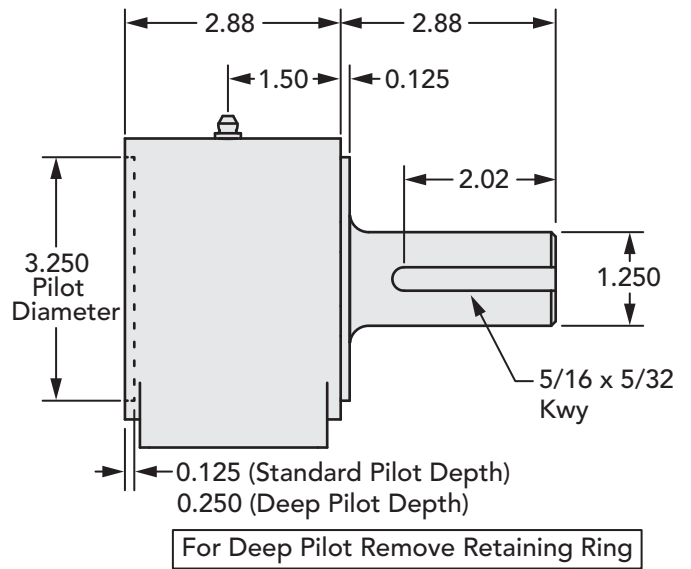
Input Standard	SAE A 2-bolt
Input Pilot Diameter	3.250"
Input Pilot Depth	(standard housing) 0.125" (deep pilot option) 0.250"
Input Pilot Sealing Method	Buna-N Gasket
Input Bore Diameter and Depth	1-1/4" keyed - bore depth is 2.37 inches
Output Shaft Diameter	1-1/4"
Output Shaft Keyway	5/16" x 5/32" keyway
Output Shaft Keyway Length	2.00"
Output Shaft Length	2.75"
Output Shaft Seal Type	Double-lip with Garter Spring
Output Pilot Diameter	3.250"
Output Pilot Height	0.125"
Shaft Material	1144 Stressproof Steel
Bearing Type	Deep Groove Ball Bearings
Standard Lubrication Method	Grease
Optional Lubrication Methods	Please Consult Factory
Grease Fitting	(1) Standard Zerk Fitting
Grease Capacity	Minimum 0.7 oz. (30% of the housing fill) Maximum 1.4 oz. (60% of the housing fill)
Grease Type (recommended for typical applications)	NLGI #2
Recommended Grease Base	Lithium
Standard Mounting Orientation	Shaft Horizontal - Consult Factory for other Mounting Orientations
Maximum Speed Without Modification	3100 RPM
Housing Material	Cast Iron
Housing Feet - Threaded Holes	(4) 3/8"-16 UNC x 0.68" deep
Housing Grease Ports	Press-fit Zerk Fitting
Unit Weight	10.0 lbs



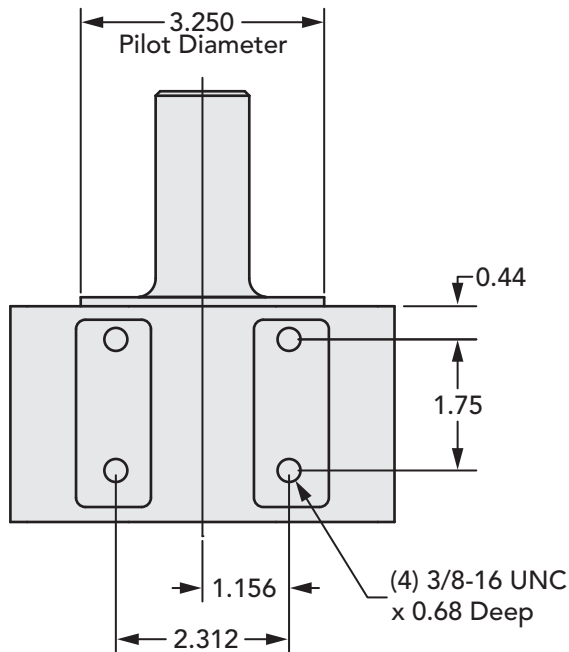
Input End View



Side View



Bottom View



How to Order

Standard 312 Series models		
Part Number	Output Shaft - Keyway	Input Bore - Keyway
312	1-1/4" - 5/16 x 5/32	1-1/4" - 5/16 x 5/32
312-DP	1-1/4" - 5/16 x 5/32	1-1/4" - 5/16 x 5/32

Note: Part numbers with -DP on the end call out a Deep pilot option.
Standard pilot depth is 0.125" and the Deep pilot option is 0.250"

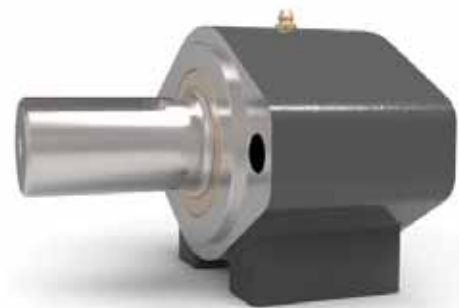


Features

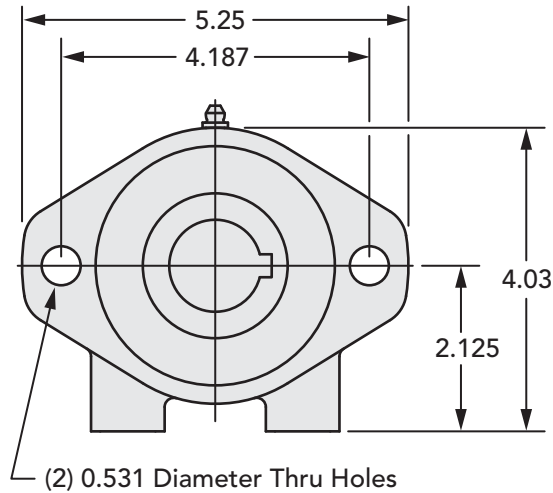
- SAE A 2-bolt mounting
- Heavy Duty Deep Groove Ball Bearings
- May be either Face-mounted or Foot-mounted
- Provides a sturdy mounting base for the motor or pump
- Supports heavy radial and axial loads - protecting the hydraulic motor or pump
- Reduces downtime and maintenance costs
- Protects pump or motor shaft seal from harmful contaminants

315 Series data

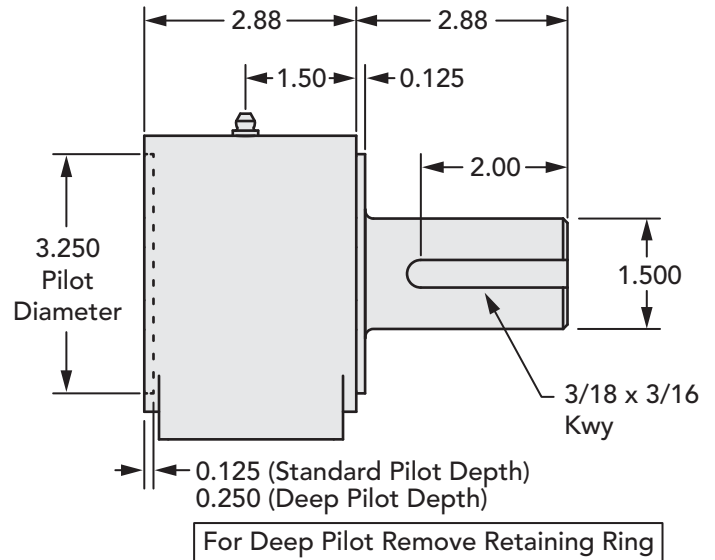
Input Standard	SAE A 2-bolt
Input Pilot Diameter	3.250"
Input Pilot Depth	(standard housing) 0.125" (deep pilot option) 0.250"
Input Pilot Sealing Method	Buna-N Gasket
Input Bore Diameter and Depth	1-1/4" keyed - bore depth is 2.37 inches
Output Shaft Diameter	1-1/2"
Output Shaft Keyway	3/8" x 3/16" keyway
Output Shaft Keyway Length	2.00"
Output Shaft Length	2.75"
Output Shaft Seal Type	Double-lip with Garter Spring
Output Pilot Diameter	3.250"
Output Pilot Height	0.125"
Shaft Material	1144 Stressproof Steel
Bearing Type	Deep Groove Ball Bearings
Standard Lubrication Method	Grease
Optional Lubrication Methods	Please Consult Factory
Grease Fitting	(1) Standard Zerk Fitting
Grease Capacity	Minimum 0.7 oz. (30% of the housing fill) Maximum 1.4 oz. (60% of the housing fill)
Grease Type (recommended for typical applications)	NLGI #2
Recommended Grease Base	Lithium
Standard Mounting Orientation	Shaft Horizontal - Consult Factory for other Mounting Orientations
Maximum Speed Without Modification	3100 RPM
Housing Material	Cast Iron
Housing Feet - Threaded Holes	(4) 3/8"-16 UNC x 0.68" deep
Housing Grease Ports	Press-fit Zerk Fitting
Unit Weight	10.0 lbs



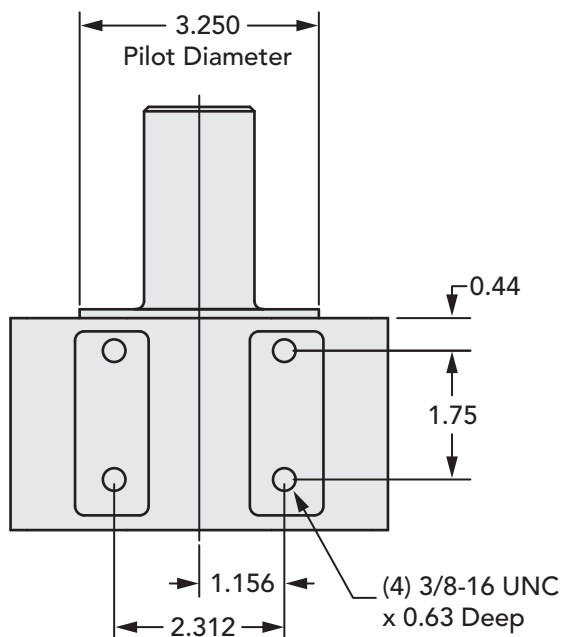
Input End View



Side View



Bottom View



How to Order

Standard 315 Series models		
Part Number	Output Shaft - Keyway	Input Bore - Keyway
315	1-1/2" - 3/8 x 3/16	1-1/4" - 5/16 x 5/32
315-DP	1-1/2" - 3/8 x 3/16	1-1/4" - 5/16 x 5/32

Note: Part numbers with -DP on the end call out a Deep pilot option.
Standard pilot depth is 0.125" and the Deep pilot option is 0.250"

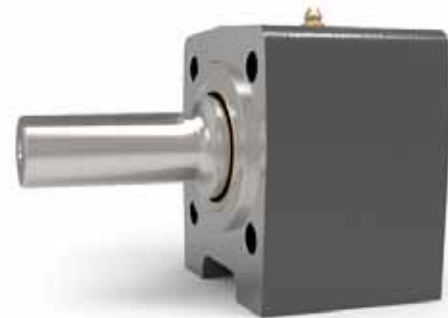


Features

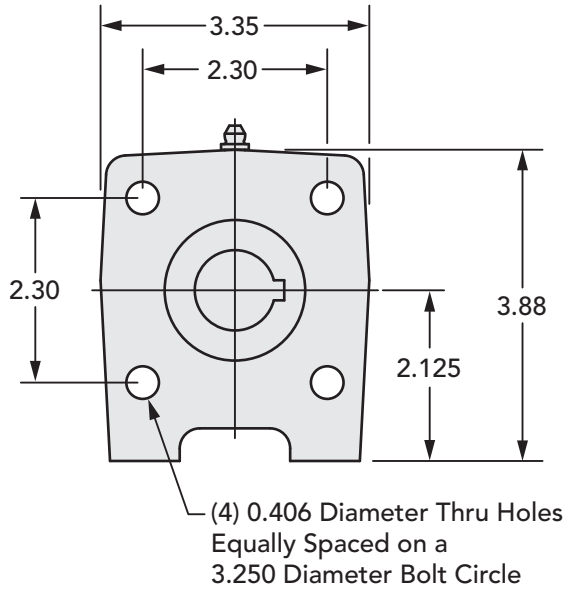
- Non-SAE 4-bolt mounting
- Deep Groove Ball Bearings
- May be either Face-mounted or Foot-mounted
- Provides a sturdy mounting base for the motor or pump
- Supports heavy radial and axial loads - protecting the hydraulic motor or pump
- Reduces downtime and maintenance costs
- Protects pump or motor shaft seal from harmful contaminants

410 Series data

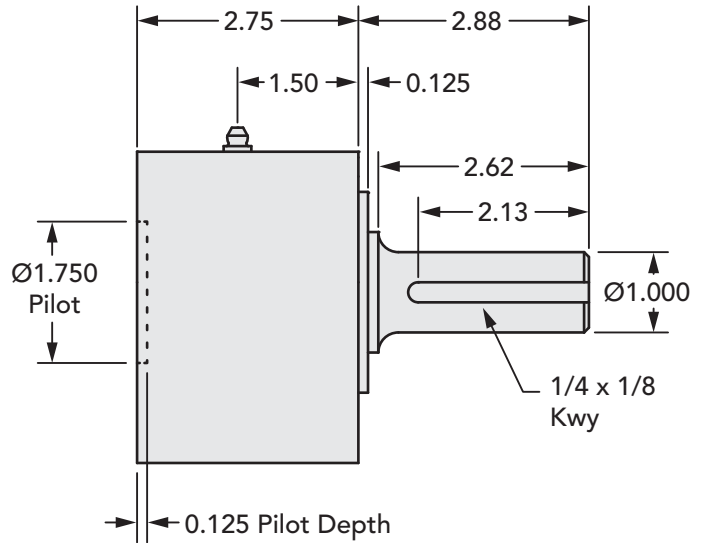
Input Standard	Non- SAE 4-bolt mount (designed to fit a popular LSHT Geroler motor)
Input Pilot Diameter	1.750"
Input Pilot Depth	0.125"
Input Pilot Sealing Method	Fiber Gasket
Input Bore Diameter and Depth	1" keyed - bore depth is 2.18"
Output Shaft Diameter	1"
Output Shaft Keyway	1/4" x 1/8" keyway
Output Shaft Keyway Length	2.00"
Output Shaft Length	2.87"
Output Pilot Diameter	2.500"
Output Pilot Height	0.125"
Shaft Material	1144 Stressproof Steel
Bearing Type	Deep Groove Ball Bearings
Standard Lubrication Method	Grease
Optional Lubrication Methods	Please Consult Factory
Grease Fitting	(1) Standard Zerk Fitting
Grease Capacity	Minimum 0.5 oz. (30% of the housing fill) Maximum 1.0 oz. (60% of the housing fill)
Grease Type (recommended for typical applications)	NLGI #2
Recommended Grease Base	Lithium
Standard Mounting Orientation	Shaft Horizontal - Consult Factory for other Mounting Orientations
Maximum Speed Without Modification	3800 RPM
Housing Material	Cast Iron
Housing Feet - Threaded Holes	(4) 3/8"-16 UNC x 0.68" deep
Housing Grease Ports	Press-fit Zerk Fitting
Unit Weight	10.0 lbs



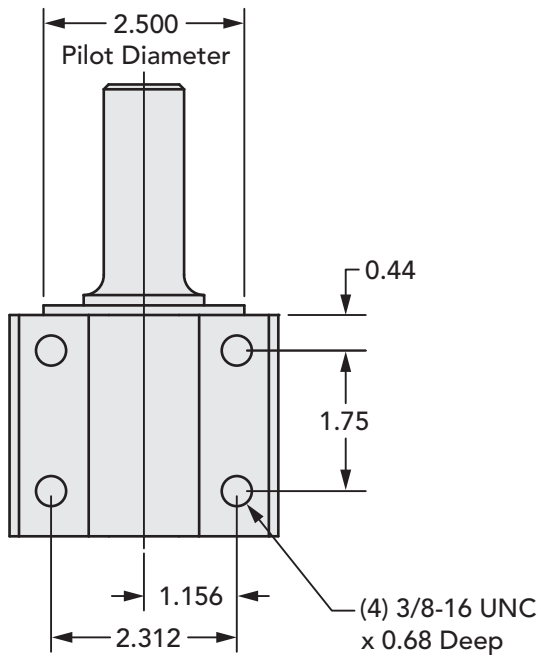
Input End View



Side View

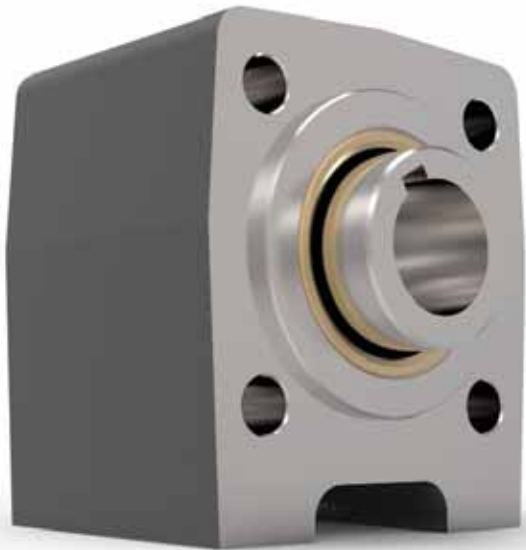


Bottom View



How to Order

Standard 410 Series models		
Part Number	Output Shaft - Keyway	Input Bore - Keyway
410	1" - 1/4 x 1/8	1" - 1/4 x 1/8

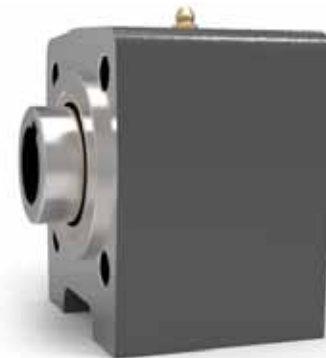


Features

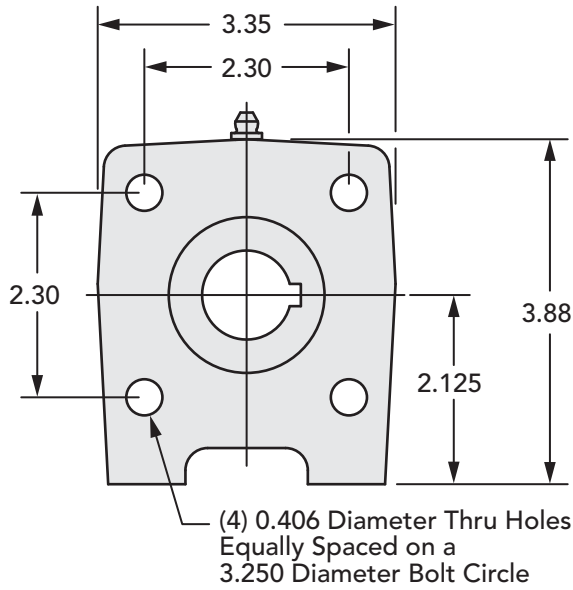
- Non-SAE 4-bolt mounting
- Deep Groove Ball Bearings
- May be either Face-mounted or Foot-mounted
- Provides a sturdy mounting base for the motor or pump
- Supports heavy radial and axial loads - protecting the hydraulic motor or pump
- Reduces downtime and maintenance costs
- Protects pump or motor shaft seal from harmful contaminants

410F Series data

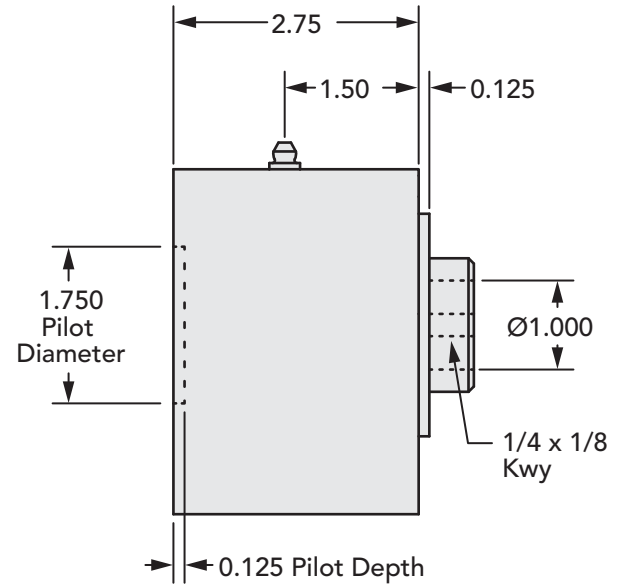
Input Standard	Non-SAE 4-bolt mount (designed to fit a popular LSHT Geroler motor)
Input Pilot Diameter	1.750"
Input Pilot Depth	0.125"
Input Pilot Sealing Method	Fiber Gasket
Input Bore Diameter and Depth	1" through-bore
Output Shaft Diameter	1" through-bore
Output Shaft Keyway	1/4" x 1/8" keyway the entire length of the bore
Output Shaft Length	0.50" extension
Output Shaft Seal Type	Double-lip with Garter Spring
Output Pilot Diameter	2.500"
Output Pilot Height	0.125"
Shaft Material	1144 Stressproof Steel
Bearing Type	Deep Groove Ball Bearings
Standard Lubrication Method	Grease
Optional Lubrication Methods	Please Consult Factory
Grease Fitting	(1) Standard Zerk Fitting
Grease Capacity	Minimum 0.5 oz. (30% of the housing fill) Maximum 1.0 oz. (60% of the housing fill)
Grease Type (recommended for typical applications)	NLGI #2
Recommended Grease Base	Lithium
Standard Mounting Orientation	Shaft Horizontal - Consult Factory for other Mounting Orientations
Maximum Speed Without Modification	3100 RPM
Housing Material	Cast Iron
Housing Feet - Threaded Holes	(4) 3/8"-16 UNC x 0.68" deep
Housing Grease Ports	Press-fit Zerk Fitting
Unit Weight	10.0 lbs



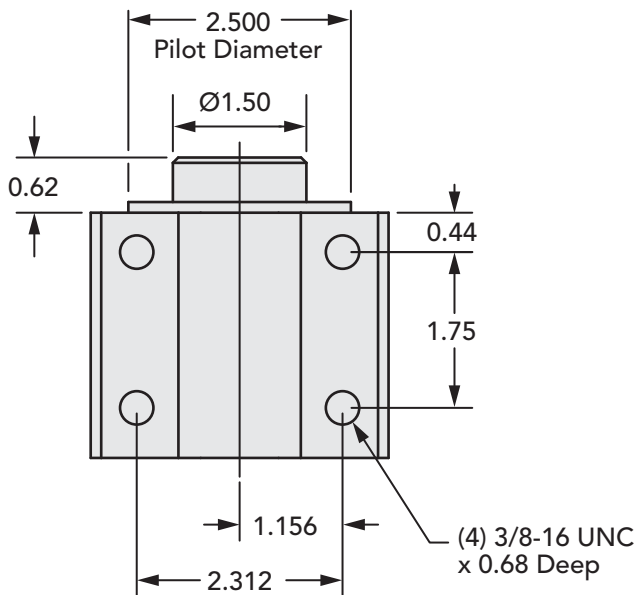
Input End View



Side View



Bottom View



How to Order

Standard 410F Series models

Part Number	Output Shaft - Keyway	Input Bore - Keyway
410F	1" bore - 1/4 x 1/8	1" - 1/4 x 1/8

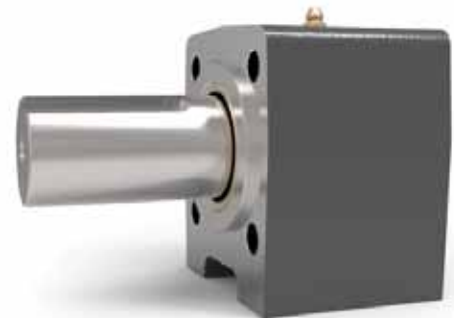


Features

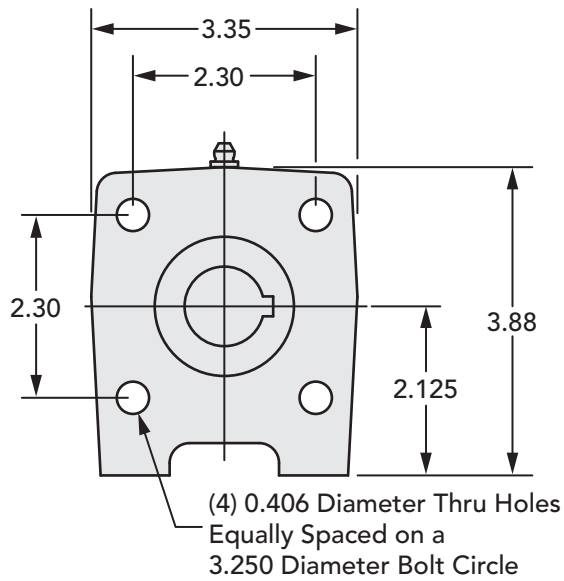
- Non-SAE 4-bolt mounting
- Deep Groove Ball Bearings
- May be either Face-mounted or Foot-mounted
- Provides a sturdy mounting base for the motor or pump
- Supports heavy radial and axial loads - protecting the hydraulic motor or pump
- Reduces downtime and maintenance costs
- Protects pump or motor shaft seal from harmful contaminants

415 Series data

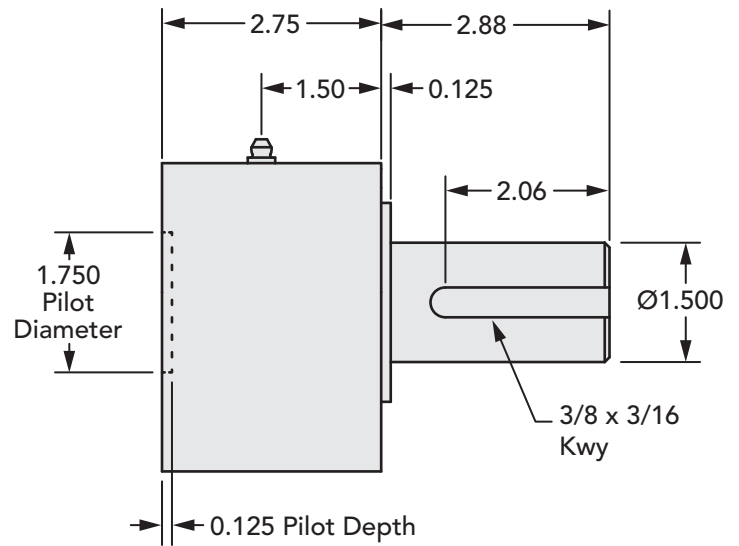
Input Standard	Non-SAE 4-bolt mount (designed to fit a popular LSHT Geroler motor)
Input Pilot Diameter	1.750"
Input Pilot Depth	0.125"
Input Pilot Sealing Method	Fiber Gasket
Input Bore Diameter and Depth	1" keyed - bore depth is 2.18"
Output Shaft Diameter	1-1/2"
Output Shaft Keyway	3/8" x 3/16" keyway
Output Shaft Keyway Length	2.00"
Output Shaft Length	2.87"
Output Pilot Diameter	2.500"
Output Pilot Height	0.125"
Shaft Material	1144 Stressproof Steel
Bearing Type	Deep Groove Ball Bearings
Standard Lubrication Method	Grease
Optional Lubrication Methods	Please Consult Factory
Grease Fitting	(1) Standard Zerk Fitting
Grease Capacity	Minimum 0.5 oz. (30% of the housing fill) Maximum 1.0 oz. (60% of the housing fill)
Grease Type (recommended for typical applications)	NLGI #2
Recommended Grease Base	Lithium
Standard Mounting Orientation	Shaft Horizontal - Consult Factory for other Mounting Orientations
Maximum Speed Without Modification	3800 RPM
Housing Material	Cast Iron
Housing Feet - Threaded Holes	(4) 3/8"-16 UNC x 0.68" deep
Housing Grease Ports	Press-fit Zerk Fitting
Unit Weight	10.0 lbs



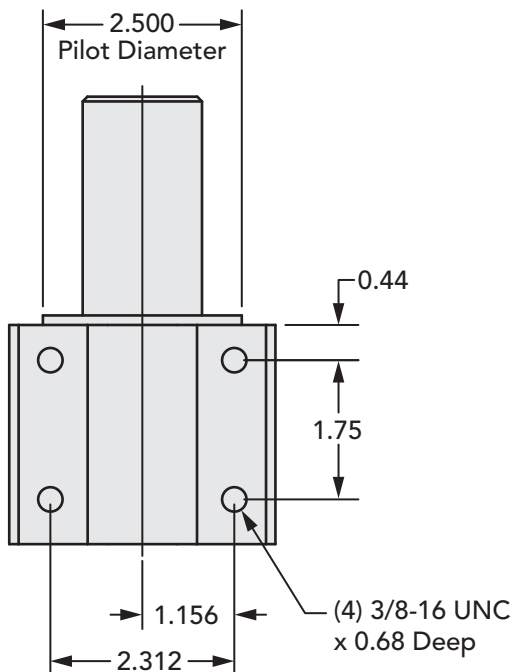
Input End View



Side View



Bottom View



How to Order

Standard 415 Series models		
Part Number	Output Shaft - Keyway	Input Bore - Keyway
415	1-1/2" - 3/8 x 3/16	1" - 1/4 x 1/8



Features

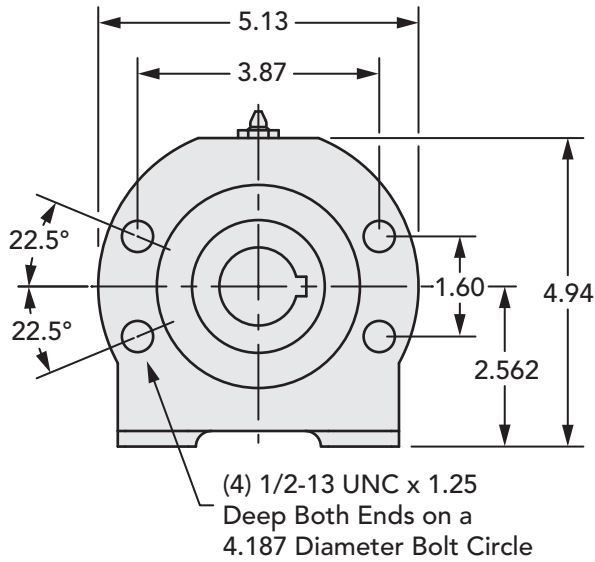
- SAE A 2-bolt or 4-bolt mounting
- Heavy Duty Tapered Roller Bearings
- May be either Face-mounted or Foot-mounted
- Provides a sturdy mounting base for the motor or pump
- Supports heavy radial and axial loads - protecting the hydraulic motor or pump
- Reduces downtime and maintenance costs
- Protects pump or motor shaft seal from harmful contaminants

512 Series data

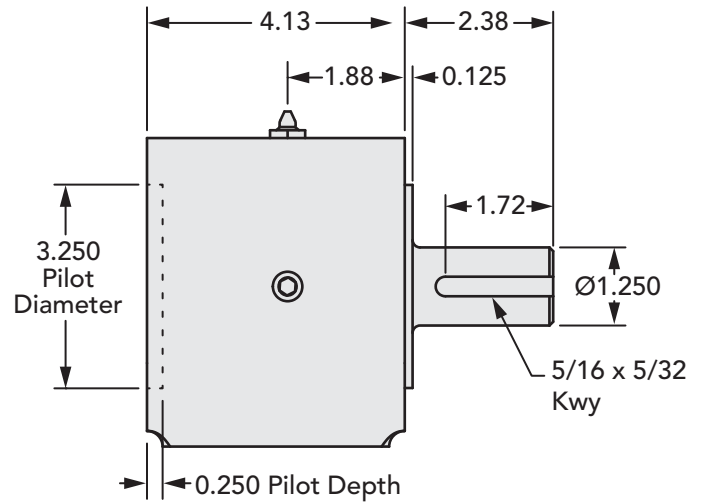
Input Standard	SAE A 2 bolt - 2 different mounts: 4-bolt Magneto Mount 2-bolt (rotated 22-1/2° from horizontal)
Input Pilot Diameter	3.250"
Input Pilot Depth	0.250"
Input Pilot Sealing Method	Fiber Gasket
Input Bore Diameter and Depth	1-1/4" keyed - bore depth is 2.5" 6B Spline - bore depth is 2.68" 14 tooth 12/24 spline - bore depth is 2.75"
Input Shaft Seal Type	Double-lip with Garter Spring
Output Shaft Diameter	1-1/4"
Output Shaft Keyway	5/16" x 5/32" keyway
Output Shaft Keyway Length	1.87"
Output Shaft Length	2.25"
Output Shaft Seal Type	Double-lip with Garter Spring
Output Pilot Diameter	3.250"
Output Pilot Height	0.125"
Shaft Material	1144 Stressproof Steel
Bearing Type	Tapered Roller Bearings
Standard Lubrication Method	Grease
Optional Lubrication Methods	Please Consult Factory
Grease Fitting	(1) Standard Zerk fitting
Grease Capacity	Minimum 2.0 oz. (30% of the housing fill) Maximum 4.0 oz. (60% of the housing fill)
Grease Type (recommended for typical applications)	NLGI #2
Recommended Grease Base	Lithium
Standard Mounting Orientation	Shaft Horizontal - Consult Factory for other Mounting Orientations
Maximum Speed Without Modification	2300 RPM
Housing Material	Cast Iron
Housing Feet - Threaded Holes	(4) 3/8"-16 UNC x 1.00" deep
Housing Grease Ports	1/4-18 NPT
Unit Weight	22 lbs



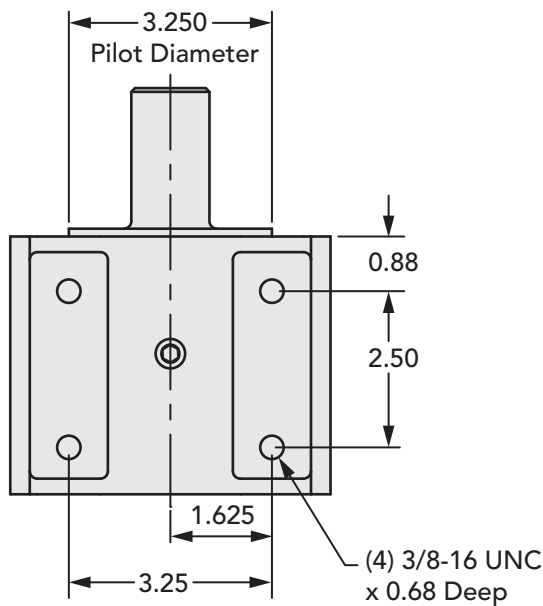
Input End View



Side View



Bottom View



How to Order

Standard 512 Series models

Part Number	Output Shaft - Keyway	Input Bore - Keyway
512-14S	1-1/4" - 5/16 x 5/32	14 tooth 12/24 spline
512-20	1-1/4" - 5/16 x 5/32	1-1/4" - 5/16 x 5/32 keyway
512-6BS	1-1/4" - 5/16 x 5/32	6BS Spline



Features

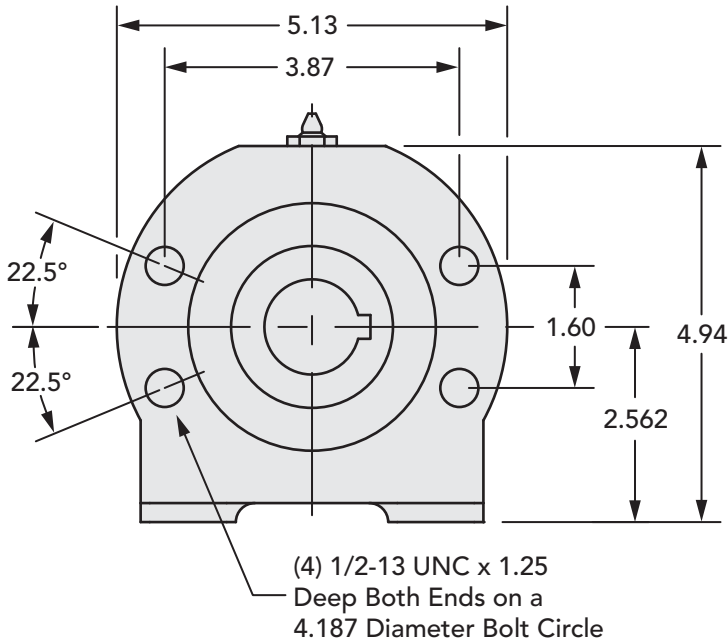
- SAE A 2-bolt or 4-bolt mounting
- Heavy Duty Tapered Roller Bearings
- May be either Face-mounted or Foot-Mounted
- Provides a sturdy mounting base for the motor or pump
- Supports heavy radial and axial loads - protecting the hydraulic motor or pump
- Reduces downtime and maintenance costs
- Protects pump or motor shaft seal from harmful contaminants

515 Series data

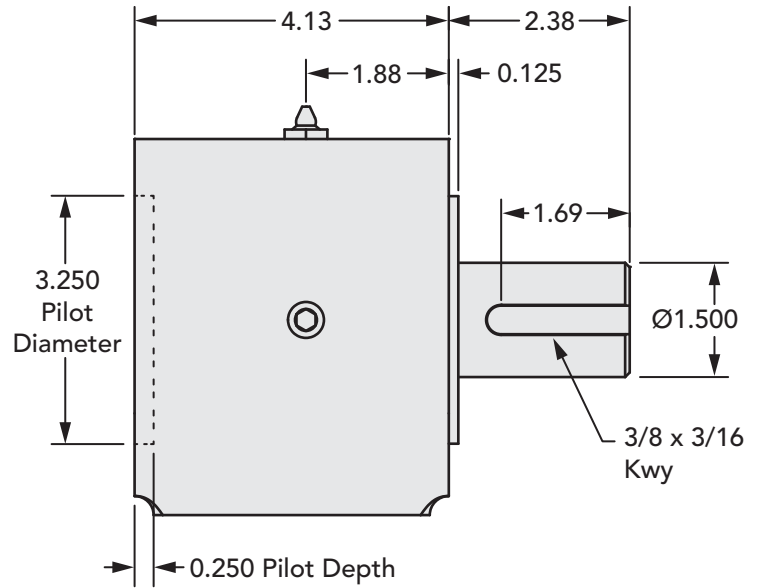
Input Standard	SAE A 2 bolt - 2 different mounts: 4-bolt Magneto Mount 2-bolt (rotated 22-1/2° from horizontal)
Input Pilot Diameter	3.250"
Input Pilot Depth	0.250"
Input Pilot Sealing Method	Fiber Gasket
Input Bore Diameter and Depth	1-1/4" keyed - bore depth is 2.5" 6B Spline - bore depth is 2.68" 14 tooth 12/24 spline - bore depth is 2.75"
Input Shaft Seal Type	Double-lip with Garter Spring
Output Shaft Diameter	1-1/2"
Output Shaft Keyway	3/8" x 3/16" keyway
Output Shaft Keyway Length	1.87"
Output Shaft Length	2.25"
Output Shaft Seal Type	Double-lip with Garter Spring
Output Pilot Diameter	3.250"
Output Pilot Height	0.125"
Shaft Material	1144 Stressproof Steel
Bearing Type	Tapered Roller Bearings
Standard Lubrication Method	Grease
Optional Lubrication Methods	Please Consult Factory
Grease Fitting	(1) Standard Zerk Fitting
Grease Capacity	Minimum 2.0 oz. (30% of the housing fill) Maximum 4.0 oz. (60% of the housing fill)
Grease Type (recommended for typical applications)	NLGI #2
Recommended Grease Base	Lithium
Standard Mounting Orientation	Shaft Horizontal - Consult Factory for other Mounting Orientations
Maximum Speed Without Modification	2300 RPM
Housing Material	Cast Iron
Housing Feet - Threaded Holes	(4) 3/8"-16 UNC x 1.00" deep
Housing Grease Ports	1/4-18 NPT
Unit Weight	22 lbs



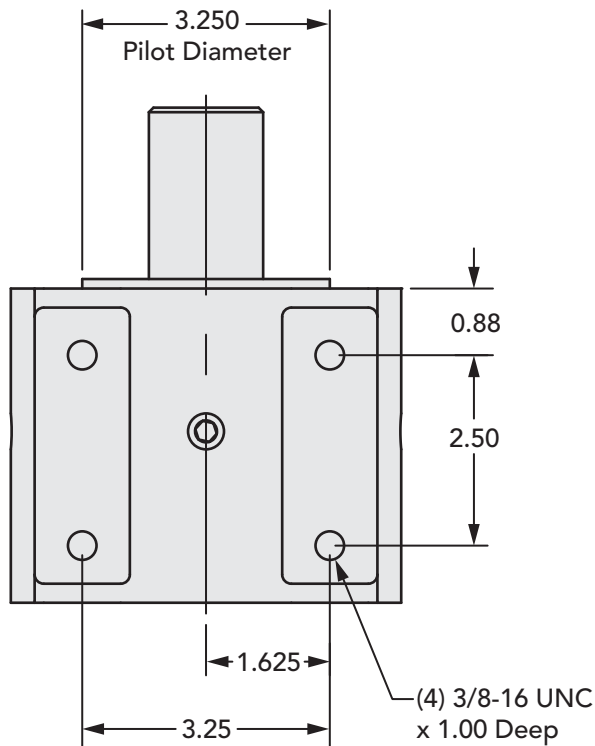
Input End View



Side View

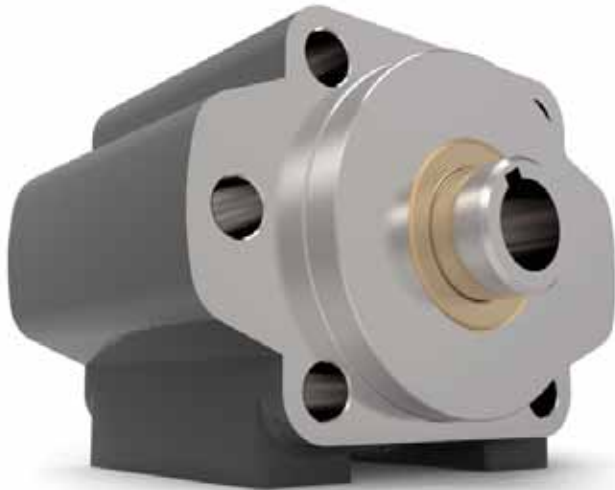


Bottom View



How to Order

Standard 515 Series models		
Part Number	Output Shaft - Keyway	Input Bore - Keyway
515-14S	1-1/2" - 3/8 x 3/16	14 tooth 12/24 spline
515-20	1-1/2" - 3/8 x 3/16	1-1/4" - 5/16 x 5/32 keyway
515-6BS	1-1/2" - 3/8 x 3/16	6BS Spline



Features

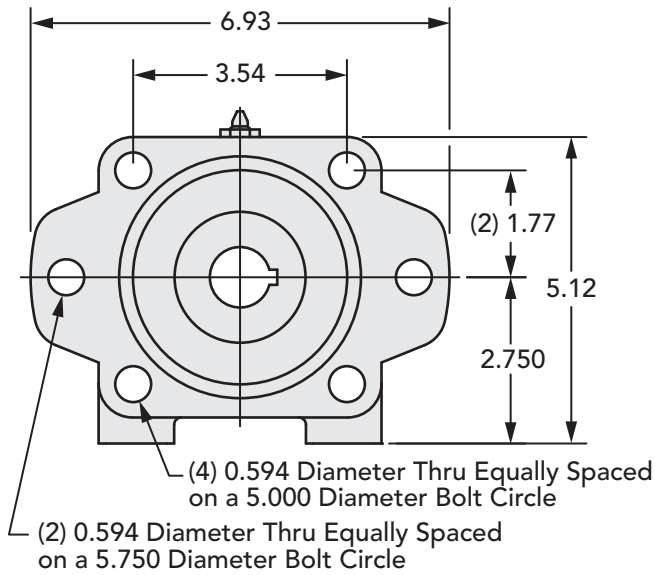
- SAE B - 2-bolt or 4-bolt mounting
- Heavy Duty Tapered Roller Bearings
- May be either Face-mounted or Foot-mounted
- Provides a sturdy mounting base for the motor or pump
- Supports heavy radial and axial loads - protecting the hydraulic motor or pump
- Reduces downtime and maintenance costs
- Protects pump or motor shaft seal from harmful contaminants

600F Series data

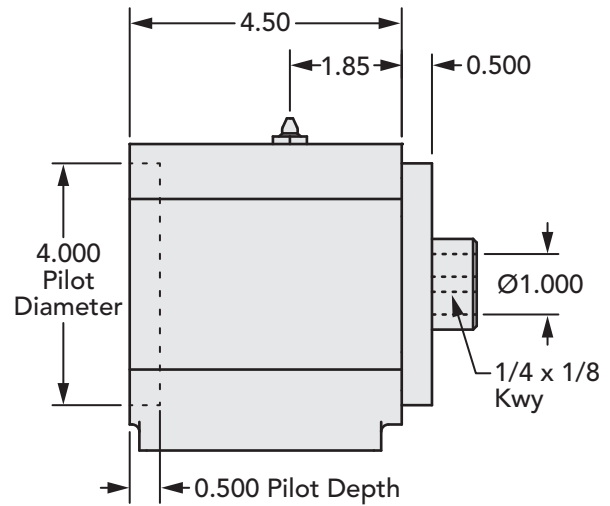
Input Standard	SAE B 2- bolt or SAE B 4-bolt mount
Input Pilot Diameter	4.000"
Input Pilot Depth	0.500"
Input Pilot Sealing Method	Fiber Gasket
Input Bore Diameter and Depth	1" through-bore
Input Shaft Seal Type	Double-lip with Garter Spring
Output Shaft Diameter	1" through-bore
Output Shaft Keyway	1/4" x 1/8" keyway the entire length of the bore
Output Shaft Length	0.73" extension
Output Shaft Seal Type	Double-lip with Garter Spring
Output Pilot Diameter	4.000"
Output Pilot Height	0.500"
Shaft Material	1144 Stressproof Steel
Bearing Type	Tapered Roller Bearings
Standard Lubrication Method	Grease
Optional Lubrication Methods	Please Consult Factory
Grease Fitting	(1) Standard Zerk Fitting
Grease Capacity	Minimum 2.2 oz. (30% of the housing fill) Maximum 4.4 oz. (60% of the housing fill)
Grease Type (recommended for typical applications)	NLGI #2
Recommended Grease Base	Lithium
Standard Mounting Orientation	Shaft Horizontal - Consult Factory for other Mounting Orientations
Maximum Speed Without Modification	2300 RPM
Housing Material	Cast Iron
Housing Feet - Threaded Holes	(4) 7/16"-14 UNC x 0.75" deep
Housing Grease Ports	1/4-18 NPT
Unit Weight	30 lbs



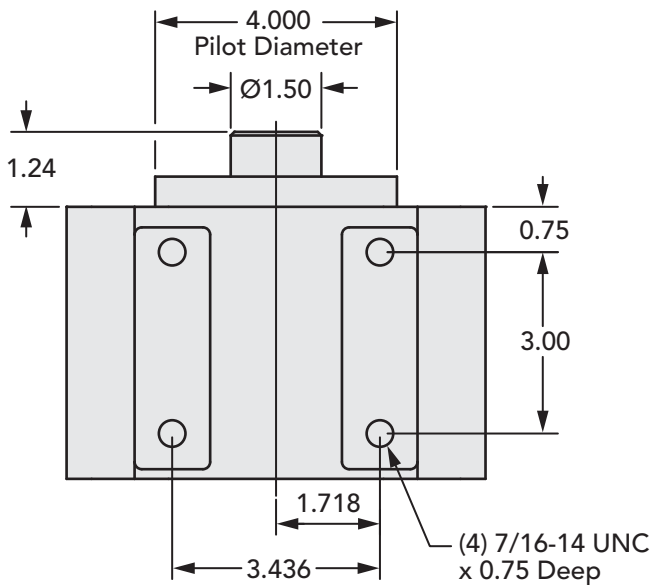
Input End View



Side View



Bottom View



How to Order

Standard 600F Series models

Part Number	Output Shaft - Keyway	Input Bore - Keyway
600F	1" Through bore 1/4" x 1/8" keyway the entire length of the bore	



Features

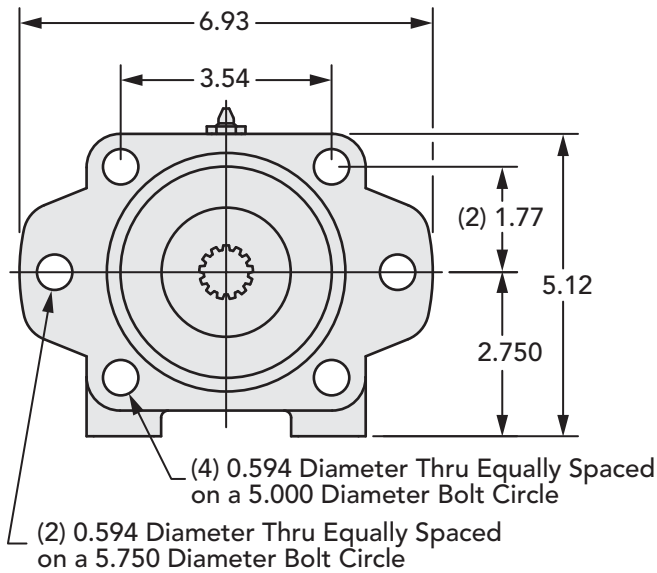
- SAE B - 2-bolt or 4-bolt mounting
- Heavy Duty Tapered Roller Bearings
- May be either Face-mounted or Foot-mounted
- Provides a sturdy mounting base for the motor or pump
- Supports heavy radial and axial loads - protecting the hydraulic motor or pump
- Reduces downtime and maintenance costs
- Protects pump or motor shaft seal from harmful contaminants

615 Series data

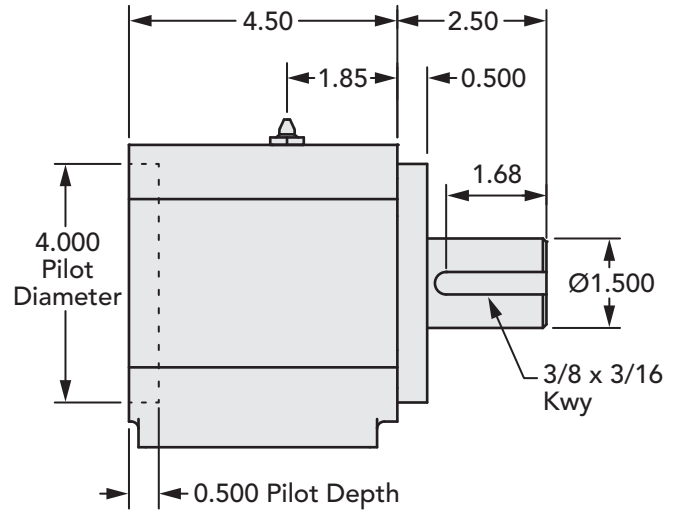
Input Standard	SAE B 2-bolt or SAE B 4-bolt mount
Input Pilot Diameter	4.000"
Input Pilot Depth	0.500"
Input Pilot Sealing Method	Fiber Gasket
Input Bore Diameter and Depth	13 tooth 16/32 spline - bore depth is 2.67" 15 tooth 16/32 spine - bore depth is 2.67" 7/8" keyed shaft - bore depth is 2.85" 1" keyed shaft - bore depth is 2.85" 1-1/4" keyed shaft - bore depth is 2.86"
Input Shaft Seal Type	Double-lip with Garter Spring
Output Shaft Diameter	1-1/2"
Output Shaft Keyway	3/8" x 3/16" keyway
Output Shaft Keyway Length	1.69"
Output Shaft Length	2.00"
Output Shaft Seal Type	Double-lip with Garter Spring
Output Pilot Diameter	4.000"
Output Pilot Height	0.500"
Shaft Material	1144 Stressproof Steel
Bearing Type	Tapered Roller Bearings
Standard Lubrication Method	Grease
Optional Lubrication Methods	Please Consult Factory
Grease Fitting	(1) Standard Zerk Fitting
Grease Capacity	Minimum 2.2 oz. (30% of the housing fill) Maximum 4.4 oz. (60% of the housing fill)
Grease Type (recommended for typical applications)	NLGI #2
Recommended Grease base	Lithium
Standard mounting orientation	Shaft Horizontal - Consult Factory for other Mounting Orientations
Maximum Speed Without Modification	2300 RPM
Housing Material	Cast Iron
Housing Feet - Threaded Holes	(4) 7/16"-14 UNC x 0.75" deep
Housing Grease Ports	1/4-18 NPT
Unit Weight	30 lbs



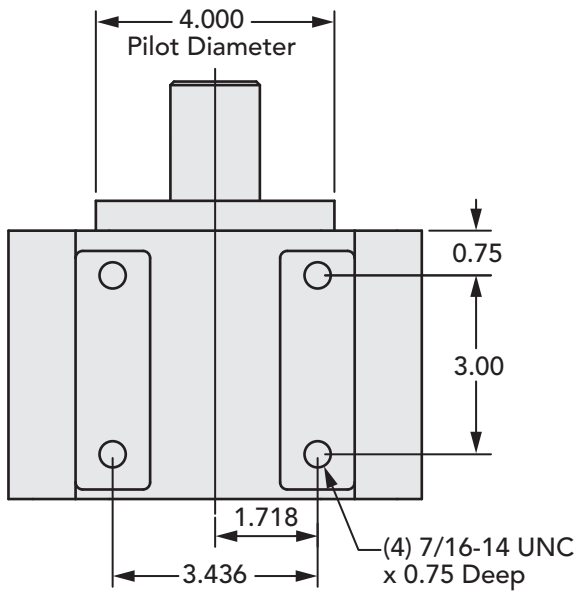
Input End View



Side View

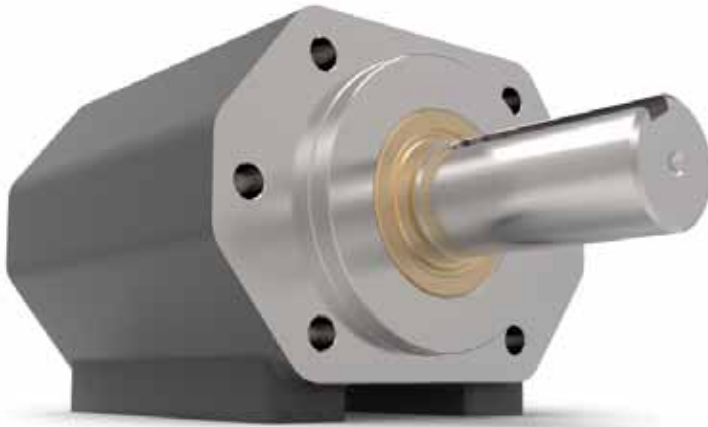


Bottom View



How to Order

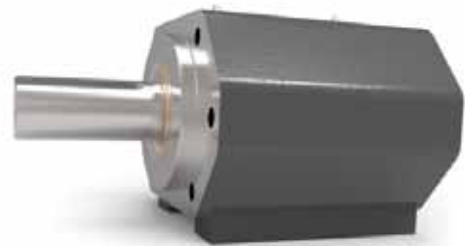
Standard 615 Series models		
Part Number	Output Shaft - Keyway	Input Bore - Keyway
615-13S	1-1/2" - 3/8 x 3/16	13 tooth 16/32 Spline
615-15S	1-1/2" - 3/8 x 3/16	15 tooth 16/32 Spline
615-14K	1-1/2" - 3/8 x 3/16	7/8" - 3/16 x 3/32 keyway
615-14	1-1/2" - 3/8 x 3/16	7/8" - 1/4 x 1/8 keyway
615-16K	1-1/2" - 3/8 x 3/16	1" - 5/16 x 5/32 keyway
615-16	1-1/2" - 3/8 x 3/16	1" - 1/4 x 1/8 keyway
615-20	1-1/2" - 3/8 x 3/16	1-1/4" - 5/16 x 5/32 keyway



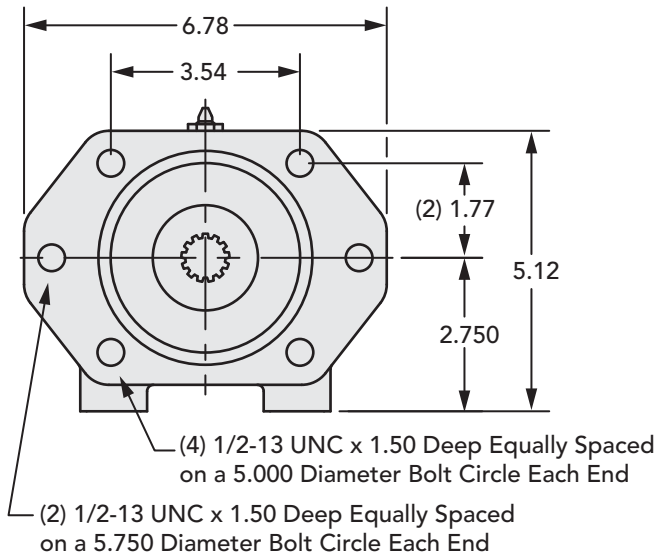
Features

- SAE B - 2-bolt or 4-bolt mounting
- Heavy Duty Spherical Roller Bearings
- May be either Face-mounted or Foot-mounted
- Provides a sturdy mounting base for the motor or pump
- Supports heavy radial and axial loads - protecting the hydraulic motor or pump
- Reduces downtime and maintenance costs
- Protects pump or motor shaft seal from harmful contaminants

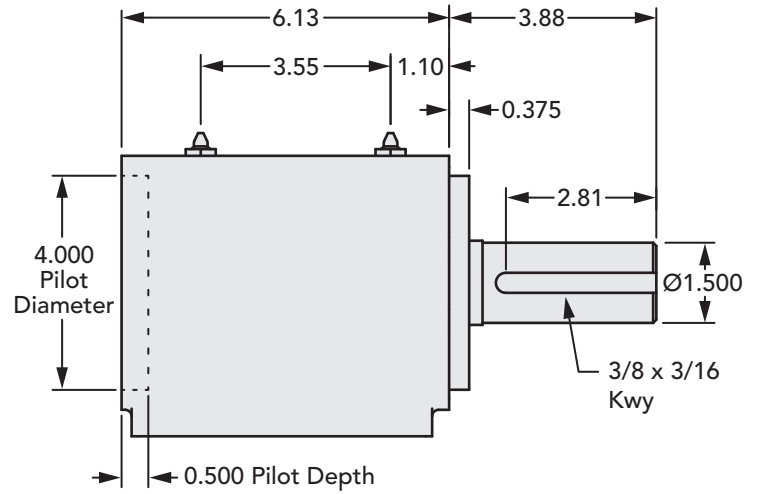
650 Series data	
Input Standard	SAE B 2-bolt or SAE B 4-bolt mount
Input Pilot Diameter	4.000"
Input Pilot Depth	0.500"
Input Pilot Sealing Method	O-ring
Input Bore Diameter and Depth	13 tooth 16/32 Spline - bore depth is 2.43 inches 15 tooth 16/32 Spline - bore depth is 2.43 inches
Output Shaft Diameter	1-1/2"
Output Shaft Keyway	3/8" x 3/16" keyway
Output Shaft Keyway Length	2.81"
Output Shaft Length	1-1/2" diameter with 3/8" x 3/16" keyway
Output Shaft Seal Type	Double-lip with Garter Spring
Output Pilot Diameter	4.000"
Output Pilot Height	0.375"
Shaft Material	8620 steel - Heat-treated
Bearing Type	Spherical Roller Bearing
Standard Lubrication Method	Grease
Optional Lubrication Methods	Please Consult Factory
Grease Fittings	(2) Standard Zerk Fitting
Grease Capacity	Minimum 3.5 oz. (30% of the housing fill) Maximum 7.0 oz. (60% of the housing fill)
Grease Type (recommended for typical applications)	NLGI #2
Recommended Grease Base	Lithium
Standard Mounting Orientation	Shaft Horizontal - Consult Factory for other Mounting Orientations
Maximum Speed Without Modification	3500 RPM
Housing Material	Cast Iron
Housing Feet - Threaded Holes	(4) 7/16"-14 UNC x 0.75" deep
Housing Grease Ports	(2) 1/4-18 NPT
Unit Weight	39.7 lbs



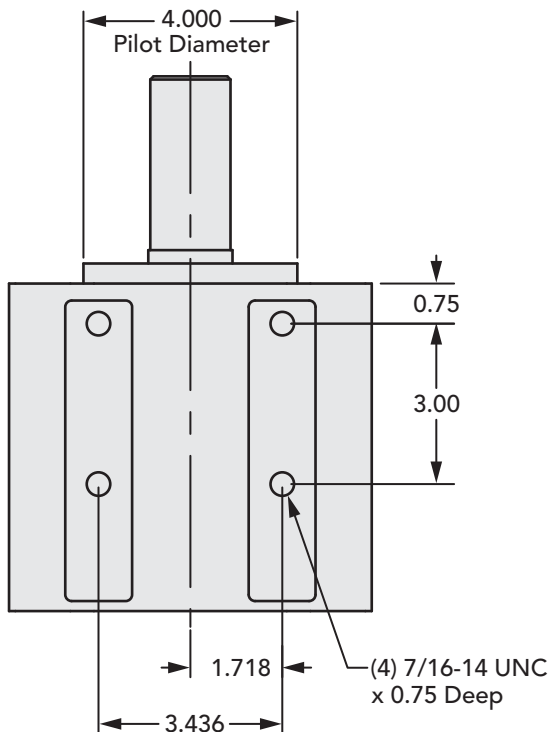
Input End View



Side View



Bottom View



How to Order

Standard 650 Series models		
Part Number	Output Shaft - Keyway	Input Bore - Keyway
650-13S	1-1/2" - 3/8 x 3/16	13 tooth 16/32 Spline
650-15S	1-1/2" - 3/8 x 3/16	15 tooth 16/32 Spline



Features

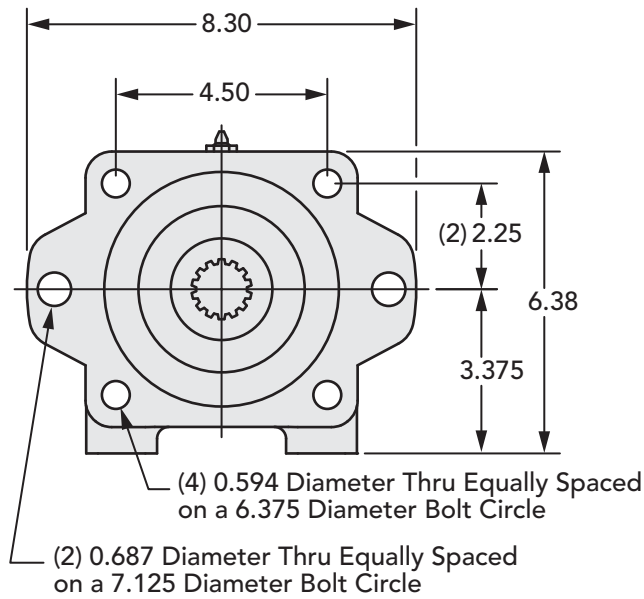
- SAE C - 2-bolt or 4-bolt mounting
- Heavy Duty Tapered Roller Bearings
- May be either Face-mounted or Foot-mounted
- Provides a sturdy mounting base for the motor or pump
- Supports heavy radial and axial loads - protecting the hydraulic motor or pump
- Reduces downtime and maintenance costs
- Protects pump or motor shaft seal from harmful contaminants

815 Series data

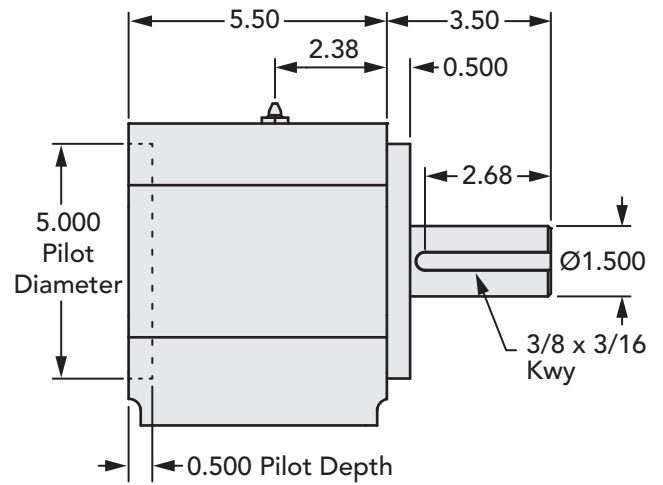
Input Standard	SAE C 2-bolt or SAE C 4-bolt mount
Input Pilot Diameter	5.000"
Input Pilot Depth	0.500"
Input Pilot Sealing Method	Fiber Gasket
Input Bore Diameter and Depth	14 tooth 12/24 spline - bore depth is 2.89" 7/8" keyed shaft - bore depth is 2.96" 1" keyed shaft - bore depth is 2.96" 1-1/4 keyed shaft - bore depth is 2.94
Input Shaft Seal Type	Double-lip with Garter Spring
Output Shaft Diameter	1-1/2"
Output Shaft Keyway	3/8" x 3/16" keyway
Output Shaft Keyway Length	2.69"
Output Shaft Length	3.00"
Output Shaft Seal Type	Double-lip with Garter Spring
Output Pilot Diameter	5.000"
Output Pilot Height	0.500"
Shaft Material	1144 Stressproof Steel
Bearing Type	Tapered Roller Bearings
Standard Lubrication Method	Grease
Optional Lubrication Methods	Please Consult Factory
Grease Fitting	(1) Standard Zerk Fitting
Grease Capacity	Minimum 2.8 oz. (30% of the housing fill) Maximum 5.6 oz. (60% of the housing fill)
Grease Type (recommended for typical applications)	NLGI #2
Recommended Grease Base	Lithium
Standard Mounting Orientation	Shaft Horizontal - Consult Factory for other Mounting Orientations
Maximum Speed Without Modification	2300 RPM
Housing Material	Cast Iron
Housing Feet - Threaded Holes	(4) 1/2"-13 UNC x 1.00" deep
Housing Grease Ports	1/4-18 NPT
Unit Weight	55 lbs



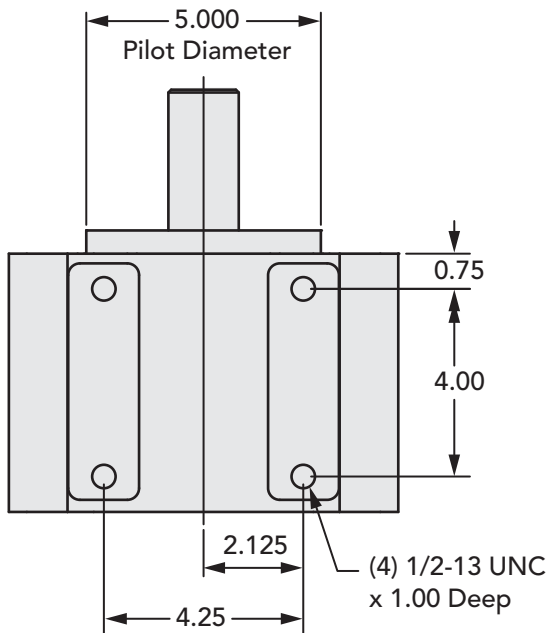
Input End View



Side View



Bottom View



How to Order

Standard 815 Series models		
Part Number	Output Shaft - Keyway	Input Bore - Keyway
815-14S	1-1/2" - 3/8 x 3/16	14 tooth 12/24 Spline
815-14K	1-1/2" - 3/8 x 3/16	7/8" - 3/16 x 3/32 keyway
815-14	1-1/2" - 3/8 x 3/16	7/8" - 1/4 x 1/8 keyway
815-16K	1-1/2" - 3/8 x 3/16	1" - 5/16 x 5/32 keyway
815-16	1-1/2" - 3/8 x 3/16	1" - 1/4 x 1/8 keyway
815-20	1-1/2" - 3/8 x 3/16	1-1/4" - 5/16 x 5/32 keyway

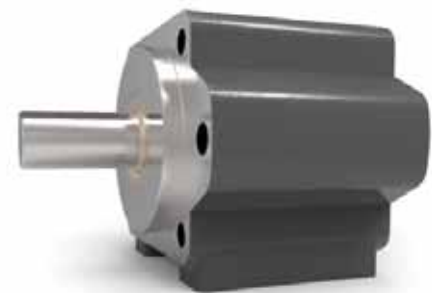


Features

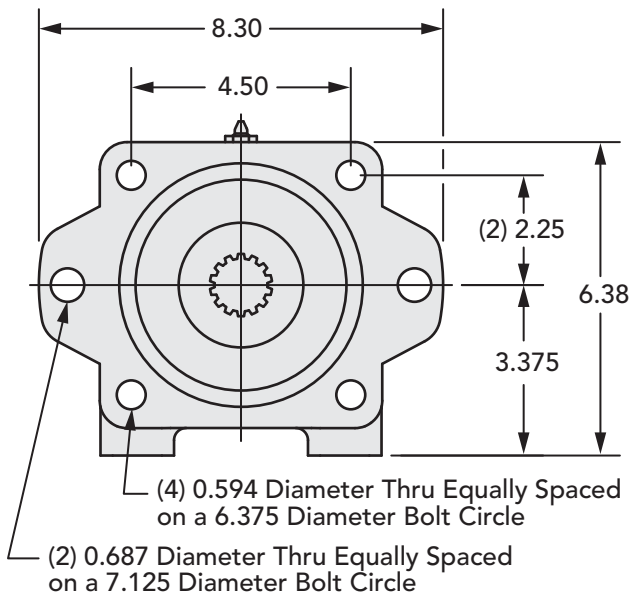
- SAE C - 2-bolt or 4 bolt mounting
- Extra Heavy Duty Tapered Roller Bearings
- May be either Face-mounted or Foot-mounted
- Provides a sturdy mounting base for the motor or pump
- Supports heavy radial and axial loads - protecting the hydraulic motor or pump
- Reduces downtime and maintenance costs
- Protects pump or motor shaft seal from harmful contaminants

915 Series data

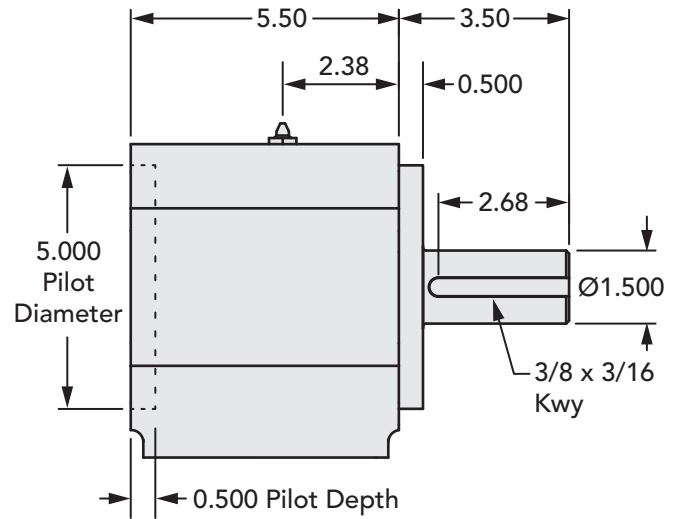
Input Standard	SAE C 2-bolt or SAE C 4-bolt mount
Input Pilot Diameter	5.000"
Input Pilot Depth	0.500"
Input Pilot Sealing Method	Fiber Gasket
Input Bore Diameter and Depth	14 tooth 12/24 spline - bore depth is 3.09"
	17 tooth 12/24 spline - bore depth is 3.50"
	1-1/2 - 3/8 x 3/16 keyed shaft - bore depth is 3.10:
	1-3/4 - 7/16 x 7/32 keyed shaft - bore depth is 3.20"
Input Shaft Seal Type	Double-lip with Garter Spring
Output Shaft Diameter	1-1/2"
Output Shaft Keyway	3/8" x 3/16" keyway
Output Shaft Keyway Length	2.56"
Output Shaft Length	3.00"
Output Shaft Seal Type	Double-lip with Garter Spring
Output Pilot Diameter	5.000"/4.997"
Output Pilot Height	0.500"
Shaft Material	1144 Stressproof Steel
Bearing Type	Tapered Roller Bearings
Standard Lubrication Method	Grease
Optional Lubrication Methods	Please Consult Factory
Grease Fitting	(1) Standard Zerk Fitting
Grease Capacity	Minimum 4.3 oz. (30% of the housing fill)
	Maximum 8.6 oz. (60% of the housing fill)
Grease Type (recommended for typical applications)	NLGI #2
Recommended Grease Base	Lithium
Standard Mounting Orientation	Shaft Horizontal - Consult Factory for other Mounting Orientations
Maximum Speed Without Modification	1900 RPM
Housing Material	Cast Iron
Housing Feet - Threaded Holes	(4) 1/2"-13 UNC x 1.00" deep
Housing Grease Ports	1/4-18 NPT
Unit Weight	55 lbs



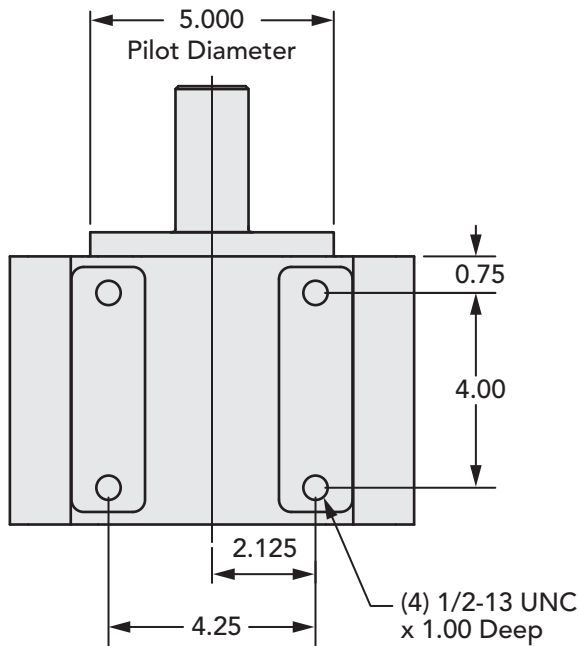
Input End View



Side View



Bottom View



How to Order

Standard 915 Series models		
Part Number	Output Shaft - Keyway	Input Bore - Keyway
915-14S	1-1/2" - 3/8 x 3/16	14 tooth 12/24 Spline
915-17S	1-1/2" - 3/8 x 3/16	17 tooth 12/24 Spline
915-24	1-1/2" - 3/8 x 3/16	1-1/2" - 3/8 x 3/16
915-28	1-1/2" - 3/8 x 3/16	1-3/4" - 7/16 x 7/32 keyway



Features

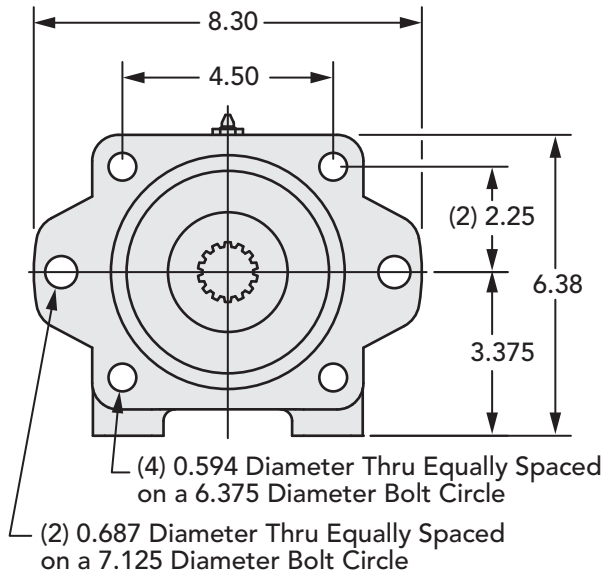
- SAE C - 2-bolt or 4-bolt mounting
- Extra Heavy Duty Tapered Roller Bearings
- May be either Face-mounted or Foot-mounted
- Provides a sturdy mounting base for the motor or pump
- Supports heavy radial and axial loads - protecting the hydraulic motor or pump
- Reduces downtime and maintenance costs
- Protects pump or motor shaft seal from harmful contaminants

928 Series data

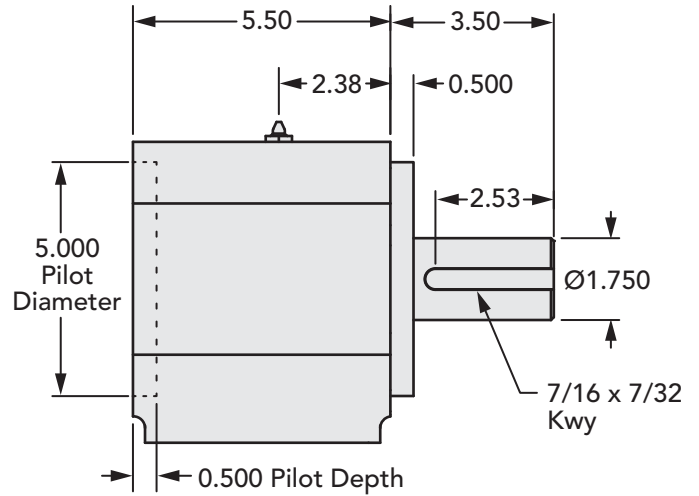
Input Standard	SAE C 2-bolt or SAE C 4-bolt mount
Input Pilot Diameter	5.000"
Input Pilot Depth	0.500"
Input Pilot Sealing Method	Fiber Gasket
Input Bore Diameter and Depth	14 tooth 12/24 spline - bore depth is 3.09" 17 tooth 12/24 spline - bore depth is 3.50" 1-1/2 - 3/8 x 3/16 keyed shaft - bore depth is 3.20" 1-3/4 - 7/16 x 7/32 keyed shaft - bore depth is 3.20"
Input Shaft Seal Type	Double-lip with Garter Spring
Output Shaft Diameter	1-3/4"
Output Shaft Keyway	7/16" x 7/32" keyway
Output Shaft Keyway Length	2.53"
Output Shaft Length	3.00"
Output Shaft Seal Type	Double-lip with Garter Spring
Output Pilot Diameter	5.000"
Output Pilot Height	0.500"
Shaft Material	1144 Stressproof Steel
Bearing Type	Tapered Roller Bearings
Standard Lubrication Method	Grease
Optional Lubrication Methods	Please Consult Factory
Grease Fitting	(1) Standard Zerk Fitting
Grease Capacity	Minimum 4.3 oz. (30% of the housing fill) Maximum 8.6 oz. (60% of the housing fill)
Grease Type (recommended for typical applications)	NLGI #2
Recommended Grease Base	Lithium
Standard Mounting Orientation	Shaft Horizontal - Consult Factory for other Mounting Orientations
Maximum Speed Without Modification	1900 RPM
Housing Material	Cast Iron
Housing Feet - Threaded Holes	(4) 1/2"-13 UNC x 1.00" deep
Housing Grease Ports	1/4-18 NPT
Unit Weight	55 lbs



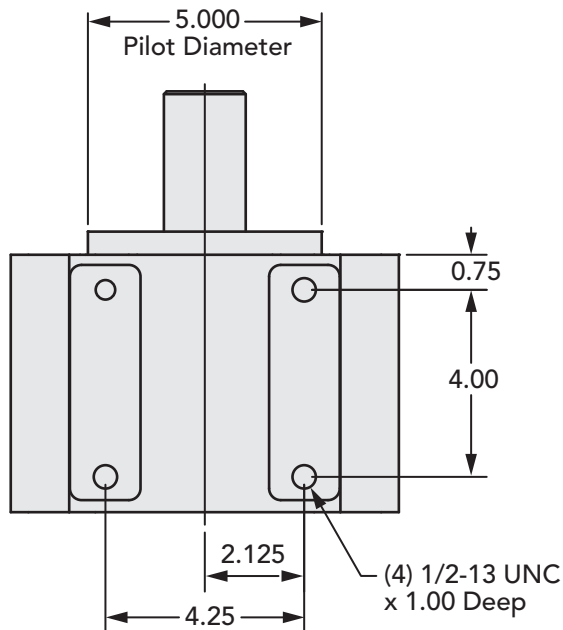
Input End View



Side View



Bottom View



How to Order

Standard 928 Series models		
Part Number	Output Shaft - Keyway	Input Bore - Keyway
928-14S	1-3/4" - 7/16 x 7/32	14 tooth 12/24 Spline
928-17S	1-3/4" - 7/16 x 7/32	17 tooth 12/24 Spline
928-24	1-3/4" - 7/16 x 7/32	1-1/2" - 3/8 x 3/16
928-28	1-3/4" - 7/16 x 7/32	1-3/4" - 7/16 x 7/32 keyway

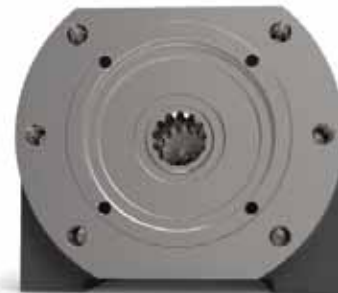


Features

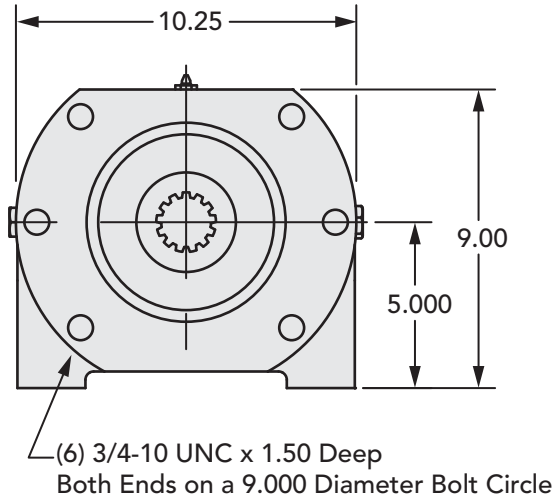
- SAE D - 2-bolt or 4-bolt mounting
- Extra Heavy Duty Tapered Roller Bearings
- May be either Face-mounted or Foot-mounted
- Provides a sturdy mounting base for the motor or pump
- Supports heavy radial and axial loads - protecting the hydraulic motor or pump
- Reduces downtime and maintenance costs
- Protects pump or motor shaft seal from harmful contaminants

1136 Series data

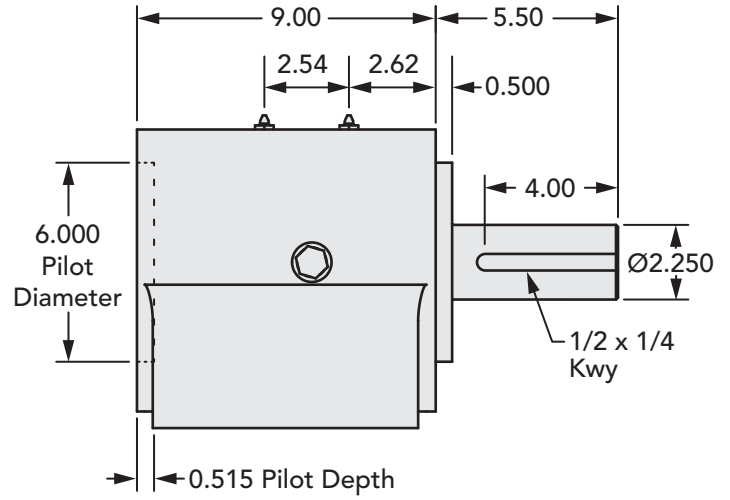
Input Standard	SAE D 2-bolt or SAE D 4-bolt mount
Input Pilot Diameter	6.000"
Input Pilot Depth	0.500"
Input Pilot Sealing Method	Fiber Gasket
Input Bore Diameter and Depth	13 tooth 8/16 spline - bore depth is 3.92" 1-3/4 - 7/16 x 7/32 keyed shaft - bore depth is 3.80"
Input Shaft Seal Type	Double-lip with Garter Spring
Output Shaft Diameter	2-1/4"
Output Shaft Keyway	1/2" x 1/4" keyway
Output Shaft Keyway Length	4.00"
Output Shaft Length	5.00"
Output Shaft Seal Type	Double-lip with Garter Spring
Output Pilot Diameter	6.000"
Output Pilot Height	0.500"
Shaft Material	1144 Stressproof Steel
Bearing Type	Tapered Roller Bearings
Standard Lubrication Method	Grease
Optional Lubrication Methods	Please Consult Factory
Grease Fitting	(2) Standard Zerk Fitting
Grease Capacity	Minimum 20 oz. (30% of the housing fill) Maximum 28 oz. (60% of the housing fill)
Grease Type (recommended for typical applications)	NLGI #2
Recommended Grease Base	Lithium
Standard Mounting Orientation	Shaft Horizontal - Consult Factory for other Mounting Orientations
Maximum Speed Without Modification	2500 RPM
Housing Material	Cast Iron
Housing Feet - Threaded Holes	(4) 3/4"-10 UNC x 1.50" deep
Housing Grease Ports	1/4-18 NPT
Unit Weight	195 lbs



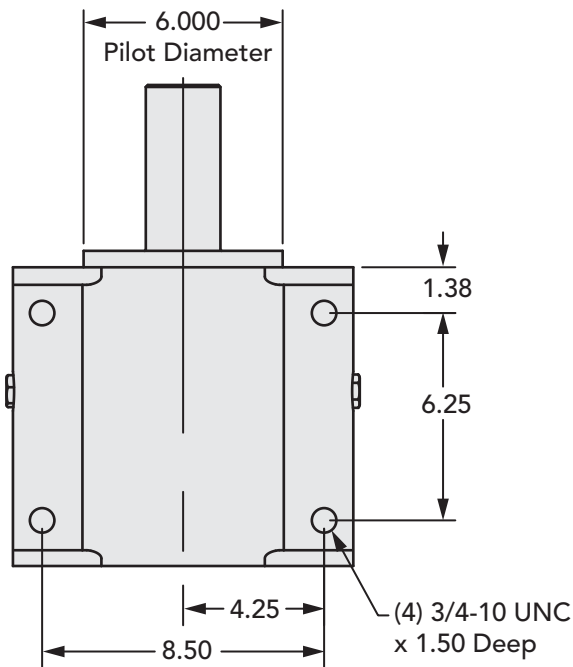
Input End View



Side View



Bottom View



How to Order

Standard 1136 Series models

Part Number	Output Shaft - Keyway	Input Bore - Keyway
1136-13S	2-1/4" - 1/2 x 1/4	13 tooth 8/16 spline
1136-28	2-1/4" - 1/2 x 1/4	1-3/4" - 7/16 x 7/32 keyway

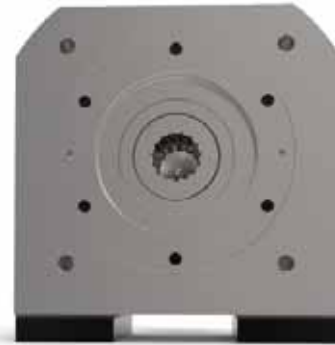
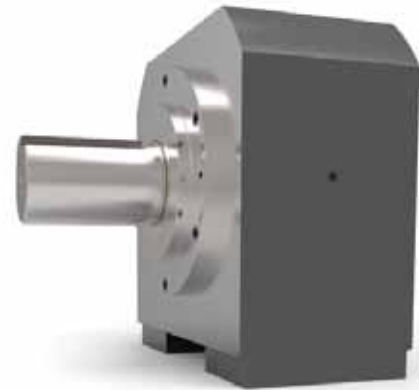


Features

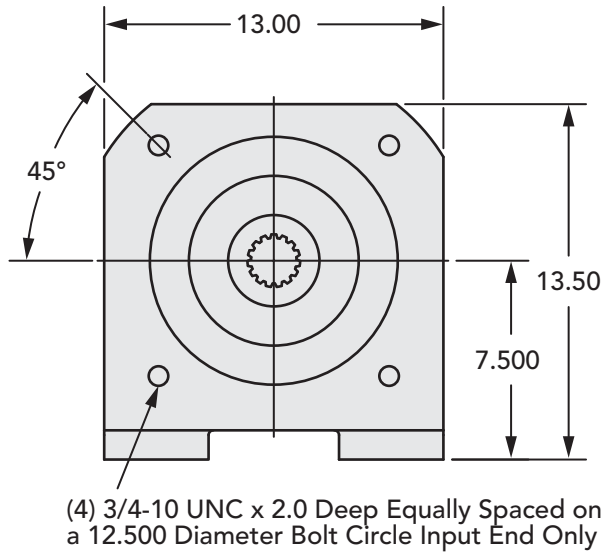
- SAE E - 4-bolt mounting
- Extra Heavy Duty Tapered Roller Bearings
- May be either Face-mounted or Foot-mounted
- Provides a sturdy mounting base for the motor or pump
- Supports heavy radial and axial loads - protecting the hydraulic motor or pump
- Reduces downtime and maintenance costs
- Protects pump or motor shaft seal from harmful contaminants

1250 Series data

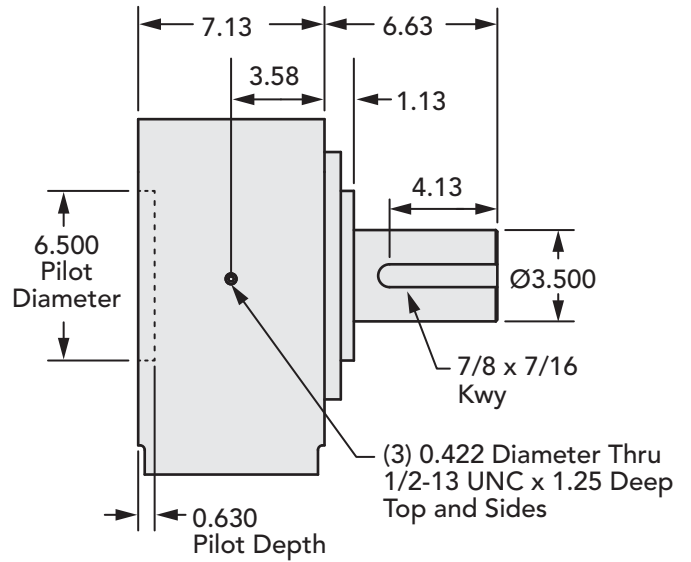
Input Standard	SAE E 4-bolt mount
Input Pilot Diameter	6.500"
Input Pilot Depth	0.625"
Input Pilot Sealing Method	Fiber Gasket
Input Bore Diameter and Depth	13 tooth 8/16 spline - bore depth is 3.73"
Input Shaft Seal Type	Double-lip with Garter Spring
Output Shaft Diameter	2-1/2"
Output Shaft Keyway	5/8" x 5/16" keyway
Output Shaft Keyway Length	4.25"
Output Shaft Length	5.00"
Output Shaft Seal Type	Double-lip with Garter Spring
Output Pilot Diameter	6.500"
Output Pilot Height	0.500"
Shaft Material	1144 Stressproof Steel
Bearing Type	Spherical Roller Bearings
Standard Lubrication Method	Grease
Optional Lubrication Methods	Please Consult Factory
Grease Fitting	Optional
Grease Capacity	Minimum 11 oz. (30% of the housing fill) Maximum 22 oz. (60% of the housing fill)
Grease Type (recommended for typical applications)	NLGI #2
Recommended Grease Base	Lithium
Standard Mounting Orientation	Shaft Horizontal - Consult Factory for other Mounting Orientations
Maximum Speed Without Modification	1500 RPM
Housing Material	Cast Iron
Housing Feet - Threaded Holes	(4) 1"-8 UNC x 2.00" deep
Housing Grease Ports	(3) 1/2-13 UNC X 1.25 deep
Unit Weight	250 lbs



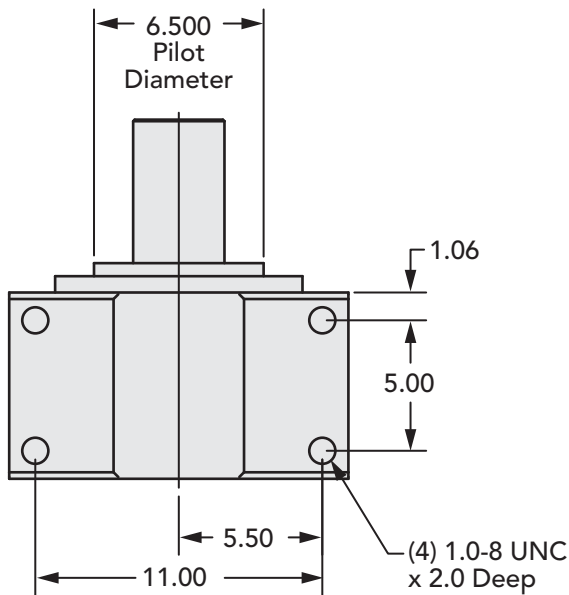
Input End View



Side View



Bottom View



How to Order

Standard 1250 Series models

Part Number	Output Shaft - Keyway	Input Bore - Keyway
1250-13S	2-1/2" - 5/8 x 5/16	13 tooth 8/16 spline



Features

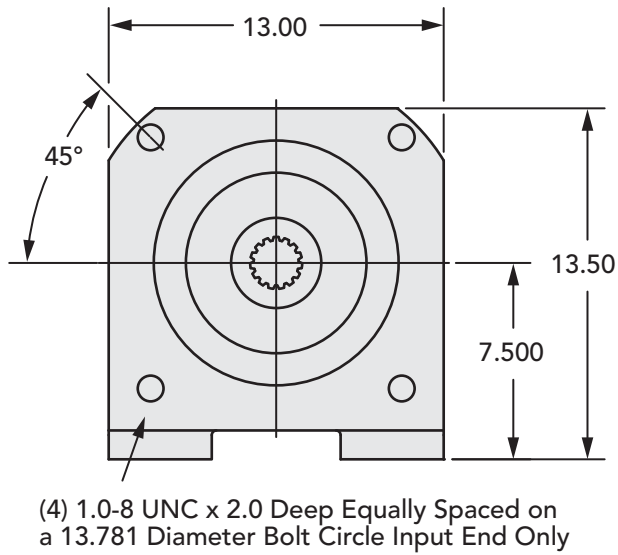
- SAE F - 4-bolt mounting
- Extra Heavy Duty Tapered Roller Bearings
- May be either Face-mounted or Foot-mounted
- Provides a sturdy mounting base for the motor or pump
- Supports heavy radial and axial loads - protecting the hydraulic motor or pump
- Reduces downtime and maintenance costs
- Protects pump or motor shaft seal from harmful contaminants

1500 Series data

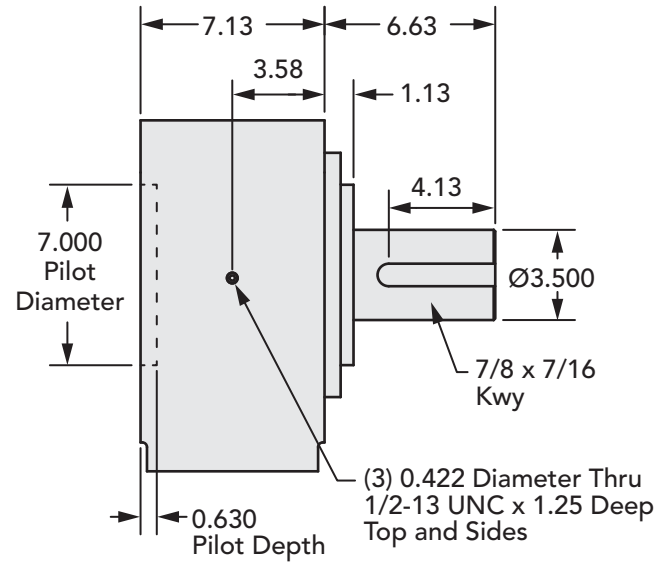
Input Standard	SAE F 4-bolt mount
Input Pilot Diameter	7.000"
Input Pilot Depth	0.625"
Input Pilot Sealing Method	Fiber Gasket
Input Bore Diameter and Depth	15 tooth 8/16 spline - bore depth is 3.37"
Input Pilot Diameter	7.000"
Input Pilot Depth	0.625"
Input Shaft Seal Type	Double-lip with Garter Spring
Output Shaft Diameter	3-1/2"
Output Shaft Keyway	7/8" x 7/16" keyway
Output Shaft Keyway Length	4.25"
Output Shaft Length	5.00"
Output Shaft Seal Type	Double-lip with Garter Spring
Output Pilot Diameter	7.000"
Output Pilot Height	0.500"
Shaft Material	1144 Stressproof Steel
Bearing Type	Spherical Roller Bearings
Standard Lubrication Method	Grease
Optional Lubrication Methods	Please Consult Factory
Grease Fitting	Optional
Grease Capacity	Minimum 11 oz. (30% of the housing fill) Maximum 22 oz. (60% of the housing fill)
Grease type (recommended f or typical applications)	NLGI #2
Recommended Grease Base	Lithium
Standard Mounting Orientation	Shaft Horizontal - Consult Factory for other Mounting Orientations
Maximum Speed Without Modification	1500 RPM
Housing Material	Cast Iron
Housing Feet - Threaded Holes	(4) 1"-8 UNC x 2.00" deep
Housing Grease Ports	(3) 1/2-13 UNC X 1.25 deepDP
Unit Weight	250 lbs.



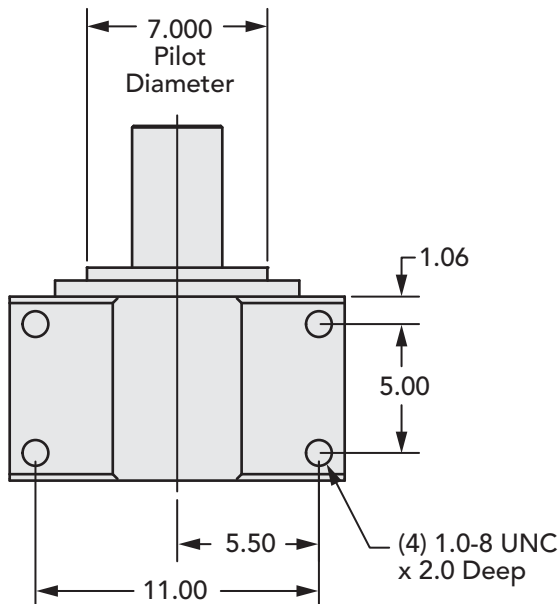
Input End View



Side View



Bottom View



How to Order

Standard 1500 Series models

Part Number	Output Shaft - Keyway	Input Bore - Keyway
1500-15S	3-1/2" - 7/8 x 7/16	15 tooth 8/16 spline

Dimensional Criteria

- Standard unit may be selected for fitting-up to the hydraulic motor or pump dimensions
- CAD files may be downloaded from website to check for fit or detail drawings are available from factory
- Modifications to standard dimensions are available as needed
 - Please see Specials pages in catalog for examples of modifications we have done
 - Modifications not shown are also possible, please contact factory
 - Please contact factory for quote on special modifications

Performance Criteria

- If desired, Zero-Max Engineering will analyze the application and advise
 - bearing lifetime,
 - strength of shaft connections, and
 - make lubrication recommendations
- Info needed to analyze application includes:
 - **Horsepower (HP)**
 - If unknown, please provide Pressure and Flow Rate through motor /pump
 - **Speed (rpm)**
 - **Overhung Load Information**
 - If pulley, need to know diameter and the distance from load center to the face of our output pilot – see illustration
 - If a fan or blower, need to know the radial load, thrust load (and direction of thrust), and weight of fan
 - If other type of load connection, please provide equivalent radial and thrust loads (and direction of thrust) or provide a sketch for review
 - **Mounting Orientation**
 - Horizontal (shaft parallel to ground)
 - Vertical, shaft-up (shaft pointing at the sky)
 - Vertical, shaft-down (shaft pointing at the ground)
 - **Hydraulic Motor or Pump**
 - part number, catalog page, or drawing of motor/pump showing shaft and pilot detail
 - info is needed to confirm fit-up to OHLA, and for shaft strength calculations
 - **If any special operating environment requirements, please advise**
 - Temperature extremes
 - Chemical exposure
 - Washdown
 - Underwater application
 - Other...

SAE F Mount Overhung Load Adaptors - 1500 SAE F

Part Number: 1500 SAE F

Download CAD Solidworks (.stp)

View 3D Model Adobe 3D PDF help

Generating CAD Model

The model you requested is being generated. This could take up to a minute, please wait...



New Zero-Max Configurable
3D CAD Downloads.

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Some of the special features we can add:

- Double-Male Shafts
- Drilled-and-Tapped Shaft End
- External threaded Shaft-End
- Stepped Shoulder on Shaft for Retention / Positioning of Mounted Component
- Face Seals
- SAE or NPT Ports
- Pre-Greased units
- Permanently-Lubed units
- Breather Plugs
- Add-on Seal Carriers
- QPQ Finish for Corrosion Protection / Seal Life
- Tapered Output Shafts
- Stainless Steel Shaft
- Nickel-Plated Housings
- Custom Output Seals
- Tapped Mounting Holes
- Transition between 2 SAE Mounting Sizes
- Other features - as needed - please inquire...



• Drilled-and Tapped Shaft-End



• Double-Male Shaft



• QPQ Finish on Shaft for Corrosion-Protection and Enhanced Seal Life



• Breather Plug
• Custom Splined Shafts



• Extended Shaft Length



- Pre-greased and Plugged / Lubed-for-Life
- Extended Housing for increased bearing stance and longer lifetime
- Face Seal for Added Protection



- Plugged for use in a Wet Environment
- Add-On Seal Carrier



- Adaptor Plate for Non-SAE motors/pumps or for transitioning 2 different SAE mounts
- SAE O-ring Ports for Circulating Oil Lubrication



- Add-on Seal Carrier for Mechanical Seal or Special Seals
- External Threaded Shaft-End including cross-drilled hole for Securing a Castellated Nut
- Tapered Output Shaft with Keyway



- QPQ Shaft
- Internal Seals for Vertical, Shaft-up Mounting
- O-Ring Ports for Circulating Oil Lubrication



- Double Male OHLA
- QPQ Shaft
- Closed End Keyway
- Nickel Plated Housing

• Special Seals



- Shortened Housing for Weight Reduction
- Speed Sensor Port



- DIN Splines
- Custom Splines



- Keyless Shaft for use with Keyless Locking Devices



- NPT Lube Port
- Retaining Ring for High Pressure Seal Retention



- Input Pilot
- O-Ring Seal



- SAE O-Ring Lube Ports Top and Side



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ServoClass® Couplings
Designed for demanding servomotor applications. Zero backlash, high torsional stiffness coupling. Features flexible metal discs and keyless clamp-type mounting hubs. Couplings are RoHS compliant.



ETP® Shaft Locking Connections
Designed for quick, easy and accurate assembly of mounted shaft components. Both inch and metric bore connections are available from stock.



CD® Couplings
These high performance couplings out last bellows and steel disc design couplings. The unique design of the composite disc enables the CD Couplings® to withstand punishing applications and deliver high precision performance.



Roh'Lix® Linear Actuators
Roh'Lix® Linear Actuators convert rotary motion into precise linear motion. Available in five models. Roh'Lix® actuators have thrust ratings from 5 to 200 lbs. All models feature built in overload protection.



Schmidt® Offset Couplings
Schmidt® Offset Couplings are designed to handle high amounts of parallel offset up to 17.00". Standard models with torque capacities up to 459,000 in-lbs.



Adjustable Speed Drives
Easy to install and maintenance free. Zero-Max Drives offer infinitely variable speeds from 0 rpm to 1/4 of input rpm. 5 models with torque ranges from 12 in-lbs to 200 in-lbs.



Overload Safety Couplings
Torq-Tender® Couplings provide reliable overload protection in any mechanical power transmission system. Torque ranges from 2 to 3000 in-lbs.



Crown® Gear Drives
Crown® Gear Drives are available with 1:1 and 2:1 ratios. High quality AGMA class 10 spiral bevel gears. Stainless steel shafts and aluminum housings are standard on all Crown® Gear Drives.



Control-Flex® Couplings
Control-Flex® Couplings are zero backlash couplings designed for encoder and instrumentation type applications.



OHLA® Overhung Load Adapters
OHLA® Overhung Load Adapters are designed to eliminate radial and axial loads from a hydraulic pump or motor. 11 models available for mounts from SAE A to SAE F.

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