



DEMAND QUALITY...



DEMAND U.S. SEAL

A COMPLETE LINE OF QUALITY SEALS

ADVANTAGES OF U.S. SEALS

As most engineers know, a successful seal must be designed to give long life, reduce maintenance and provide automatic self adjustment. The seals in the U.S. Seal line meet these basic requirements. In addition, they offer other important advantages to the seal user.



1. **ABSOLUTE SEALING** - resulting in less pumpage losses, cleaner environmental facilities, less fire hazard, no danger from fumes and no contamination of the fluid being handled.

2. **NO RUBBING FRICTION BETWEEN SHAFT AND SEAL PARTS.**

By replacing your old packing with new state-of-the-art U.S. Seal mechanical seals, there is no more expensive shaft or sleeve replacements.



3. **MORE FLEXIBILITY WITH SEALS MEANS LONGER SERVICE LIFE.**

Seals have more flexibility than packing and are able to compensate for shaft deflection, axial and radial end play, as well as vibration and wear of the sealing faces.



4. **LESS FRICTION MEANS VALUABLE POWER SAVINGS.**

Seals use less friction than packing and therefore, require less horsepower consumption.

5. **PRECISION LAPPED SEALING SURFACES.**

Positively control leakage and eliminate "break in" runs.

6. **HIGHER SPEEDS AND PRESSURES ARE NO PROBLEMS.**

7. **EXTREME FLAT SURFACES OF MATING FACES.** Care is taken to furnish precision lapped sealing surfaces with a flatness within three light bands which maintains the necessary face film lubrication.



8. **MATERIALS OF CONSTRUCTION.** Teflon, AFLAS®, Viton®, EPR and PTFE materials are available for those applications where Neoprene and Buna are not compatible with the process fluid. Metal parts are normally made of brass, plated steel or stainless steel, but other alloys, such as Monel and Hastelloy can be supplied. Seal materials are available in a wide selection.



TYPICAL U.S. SEAL MFG. SEAL INSTALLATION

- SWIMMING POOL PUMPS
- CENTRIFUGAL PUMPS
- ROTARY PUMPS
- JET PUMPS
- TURBINE PUMPS
- PETROCHEMICAL PUMPS
- GEARBOX SEALS

SHAFT SIZE: .312" to 5.625"

TEMPERATURES: -75°F to +450°F.

PRESSURE: 75 to 200 PSI

AFLAS is a registered trademark of Asahi Glass Co. Ltd.

Viton is a registered trademark of DuPont.

FEATURES OF SEALS: TYPES A, B, C, D, E, G, Q, W, X

TYPE A (Shaft Sizes 5/16" through 1")

FEATURES: Compact, unitized, single spring, elastomer bellows seal. The factory-assembled, one piece design permits fast, easy installation and the full-convolution elastomer bellows provide maximum flexibility in compensating for shaft movement and wear.

SERVICES: Centrifugal water pumps, deep and shallow well jet pumps, swimming pool pumps and wastewater pumps. Pressures to 75 PSI. Temperature: -40°F to +400°F.



TYPE B (Shaft Sizes 3/8" through 1")

FEATURES: A full-convolution elastomer bellows provide maximum flexibility in compensating for shaft movement while torsional stress on the bellows is controlled by a dent and groove positive drive arrangement.

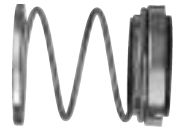
SERVICES: Small centrifugal water pumps, submersible pumps and swimming pool pumps. Pressures to 75 PSI. Temperature: -40°F to +400°F.



TYPE C (Shaft Sizes 1/2" through 5-1/2")

FEATURES: Elastomer bellows seal, non-clogging, single coil spring, The drive band's notch design eliminates overstressing of the bellows.

SERVICES: Centrifugal, hydraulic, rotary and turbine pumps, compressors, mixers, blenders and chillers. Pressures to 150 PSI. Temperature: -40°F to +400°F.



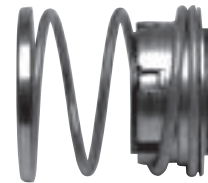
TYPE D, E (Shaft Sizes 1/2" through 5-1/2")

FEATURES: Self adjusting elastomer bellows compensate for abnormal shaft end play and primary face sealing wear. Effects of radial and axial shaft end play are minimized by uniform spring pressure.

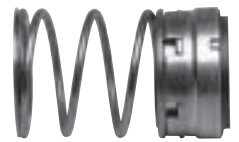
Positive drive is transmitted through the drive band and drive notches, which absorb breakout and running torque. Damaging stresses on the elastomer bellows are prevented. Slippage is eliminated, thus protecting shaft and sleeve against wear and scoring. The result is long seal life.

The seal's large single-coil spring is much sturdier than a multiple spring construction design. The spring is non-clogging, self-cleaning and will not foul up due to fluid contact. Corrosion and clogging problems are eliminated.

SERVICES: Used throughout industry in all types of rotary shaft equipment such as pumps, mixers, blenders, agitators and compressors. Seals can be used in an extremely wide range of services from water and steam to chemicals and corrosives. Pressures to 350 PSI. Temperature: -40°F to +400°F.



TYPE D



TYPE E

TYPE G (Shaft Sizes 7/16" through 1")

FEATURES: A compact unitized single spring elastomeric bellows shaft seal. Innovative full convolution bellows and interlocking drive band design allows for positive drive and greater tolerance to misalignment. Interference fit of primary ring insures positive drive while avoiding high face distortions associated with crimped designs.

SERVICES: Small centrifugal pumps used in Pool & Spa, Well Water, & HVAC applications. Pressures to 150 PSI. Temperature -20°F to +300°F.



TYPE Q (Shaft Sizes 1/2" through 2-1/4")

FEATURES: Press fitted, rubber diaphragm protects metal components, spring loaded

SERVICES: Icemaker and appliance applications, general purpose food service. Pressures to 30 PSI. Temperature -40°F to +400°F.



TYPE W (Shaft Sizes 1/2" through 6")

FEATURES: Multi Spring, TFE wedge design for use in extreme temperatures / chemical applications. Unitized construction. Also available in a balanced design

SERVICES: Corrosive fluid applications, extreme temperatures. Pressures to 350 PSI. Temperature -75°F to +500°F.



TYPE X (Shaft Sizes 1/2" through 6")

FEATURES: Multi Spring, O ring Design, unitized construction, flexible design compensates for shaft misalignment for high performance and longer seal life. Also available in a balanced design.

SERVICES: Wide usage in chemicals and corrosives. Pressures to 350 PSI. Temperature -20°F to +400°F.



CONVERSION CHART

| Fraction | Decimal | mm |
|------------|--------------|---------------|
| 1/64 | .0156 | 0.397 |
| 1/32 | .0312 | 0.794 |
| 3/64 | .0468 | 1.191 |
| 1/16 | .0625 | 1.588 |
| 5/64 | .0781 | 1.984 |
| 3/32 | .0937 | 2.381 |
| 7/64 | 1099 | 2.778 |
| 1/8 | .1250 | 3.175 |
| 9/64 | .1406 | 3.572 |
| 5/32 | .1562 | 3.969 |
| 11/64 | .1718 | 4.366 |
| 3/16 | .1875 | 4.763 |
| 13/64 | .2031 | 5.159 |
| 7/32 | .2187 | 5.556 |
| 15/64 | .2343 | 5.953 |
| 1/4 | .2500 | 6.350 |
| 17/64 | .2656 | 6.747 |
| 9/32 | .2812 | 7.144 |
| 19/64 | .2968 | 7.541 |
| 5/16 | .3125 | 7.938 |
| 21/64 | .3281 | 8.334 |
| 11/32 | .3437 | 8.731 |
| 23/64 | .3593 | 9.128 |
| 3/8 | .3750 | 9.525 |
| 25/64 | .3906 | 9.922 |
| 13/32 | .4062 | 10.319 |
| 27/64 | .4218 | 10.716 |
| 7/16 | .4375 | 11.113 |
| 29/64 | .4531 | 11.509 |
| 15/32 | .4687 | 11.906 |
| 31/64 | .4843 | 12.303 |
| 1/2 | .5000 | 12.700 |

| Fraction | Decimal | mm |
|------------|---------------|---------------|
| 33/64 | .5156 | 13.097 |
| 17/32 | .5312 | 13.494 |
| 35/64 | .5468 | 13.891 |
| 9/16 | .5625 | 14.288 |
| 37/64 | .5781 | 14.684 |
| 19/32 | .5937 | 15.081 |
| 39/64 | .6093 | 15.478 |
| 5/8 | .6250 | 15.875 |
| 41/64 | .6406 | 16.272 |
| 21/32 | .6562 | 16.669 |
| 43/64 | .6718 | 17.066 |
| 11/16 | .6875 | 17.463 |
| 45/64 | .7031 | 17.859 |
| 23/32 | .7187 | 18.256 |
| 47/64 | .7343 | 18.653 |
| 3/4 | .7500 | 19.050 |
| 49/64 | .7656 | 19.447 |
| 25/32 | .7812 | 19.844 |
| 51/64 | .7968 | 20.241 |
| 13/16 | .8125 | 20.638 |
| 53/64 | .8281 | 21.034 |
| 27/32 | .8437 | 21.431 |
| 55/64 | .8593 | 21.828 |
| 7/8 | .8750 | 22.225 |
| 57/64 | .8906 | 22.622 |
| 29/32 | .9062 | 23.019 |
| 59/64 | .9218 | 23.416 |
| 15/16 | .9375 | 23.813 |
| 61/64 | .9531 | 24.209 |
| 31/32 | .9687 | 24.606 |
| 63/64 | .9843 | 25.003 |
| 1 | 1.0000 | 25.400 |

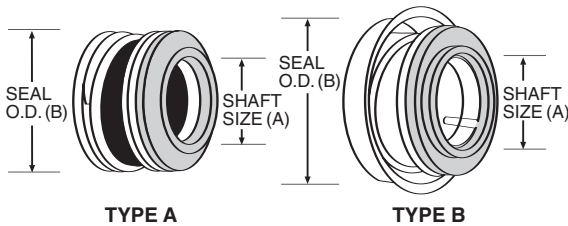
| mm | Inches | mm | Inches |
|----|--------|-----|--------|
| .1 | .0039 | 46 | 1.811 |
| .2 | .0079 | 47 | 1.850 |
| .3 | .0118 | 48 | 1.889 |
| .4 | .0157 | 49 | 1.929 |
| .5 | .0197 | 50 | 1.968 |
| .6 | .0236 | 51 | 2.007 |
| .7 | .0276 | 52 | 2.047 |
| .8 | .0315 | 53 | 2.086 |
| .9 | .0354 | 54 | 2.126 |
| 1 | .0394 | 55 | 2.165 |
| 2 | .0787 | 56 | 2.204 |
| 3 | .1181 | 57 | 2.244 |
| 4 | .1575 | 58 | 2.283 |
| 5 | .1969 | 59 | 2.322 |
| 6 | .2362 | 60 | 2.362 |
| 7 | .2752 | 61 | 2.401 |
| 8 | .3150 | 62 | 2.440 |
| 9 | .3543 | 63 | 2.480 |
| 10 | .3937 | 64 | 2.519 |
| 11 | .4331 | 65 | 2.559 |
| 12 | .4724 | 66 | 2.598 |
| 13 | .5118 | 67 | 2.637 |
| 14 | .5512 | 68 | 2.677 |
| 15 | .5906 | 69 | 2.716 |
| 16 | .6299 | 70 | 2.755 |
| 17 | .6693 | 71 | 2.795 |
| 18 | .7087 | 72 | 2.834 |
| 19 | .7480 | 73 | 2.874 |
| 20 | .7874 | 74 | 2.913 |
| 21 | .8268 | 75 | 2.952 |
| 22 | .8661 | 76 | 2.992 |
| 23 | .9055 | 77 | 3.031 |
| 24 | .9449 | 78 | 3.070 |
| 25 | .9843 | 79 | 3.110 |
| 26 | 1.023 | 80 | 3.149 |
| 27 | 1.063 | 81 | 3.189 |
| 28 | 1.102 | 82 | 3.228 |
| 29 | 1.141 | 83 | 3.267 |
| 30 | 1.181 | 84 | 3.307 |
| 31 | 1.221 | 85 | 3.346 |
| 32 | 1.259 | 86 | 3.385 |
| 33 | 1.299 | 87 | 3.425 |
| 34 | 1.338 | 88 | 3.464 |
| 35 | 1.378 | 89 | 3.503 |
| 36 | 1.417 | 90 | 3.543 |
| 37 | 1.456 | 91 | 3.582 |
| 38 | 1.496 | 92 | 3.622 |
| 39 | 1.535 | 93 | 3.661 |
| 40 | 1.574 | 94 | 3.700 |
| 41 | 1.614 | 95 | 3.740 |
| 42 | 1.653 | 96 | 3.779 |
| 43 | 1.692 | 97 | 3.818 |
| 44 | 1.732 | 98 | 3.858 |
| 45 | 1.771 | 99 | 3.897 |
| | | 100 | 3.937 |



See Pages 132-141 for Metric Seal Selection

SEAL SIZING GUIDE

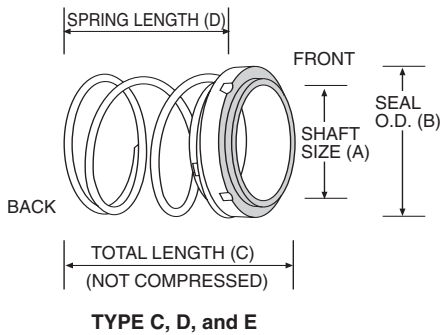
1. Remove seal to be replaced from shaft and/or sleeve.
2. Make note of materials used for the old seal parts using U.S. Seal Material Code found on the front cover fold-out.
3. Identify Head type (see front cover fold-out.) Use caliper to measure inside diameter (I.D.) and outside diameter (O.D.)



SEAL HEADS – TYPE A and B

Identify seal head type - Determine Shaft Size:
 Measure the inside diameter (I.D.) (dimension A)
 Measure the outside diameter (O.D.) (dimension B)

The operating height is generally the same for all A and B seals of the same shaft size. More positive identification will result from calculating the mating ring dimensions below. If unable to positively identify the seal, consult U.S. Seal Mfg.



SEAL HEADS – TYPE C, D and E

Identify seal head type - Determine Shaft Size:
 Measure I.D. of the bellows (dimension A) as installed in the seal head.
 Add approximately .016" additional for rubber squeeze.

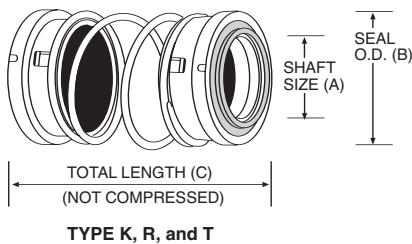
Measure the head O.D. (dimension B)

Step 1. Measure the total free length (dimension C) of the rotating portion of the assembled seal. (Do not include the seat).

Step 2. Disassemble seal and measure the free length of the spring (dimension D).

Step 3. Take half of the measurement obtained in step 2.

Step 4. Subtract the figure obtained in step 3 from the measurement (dimension C) in step 1. The result is the approximate operating height of the seal.



SEAL HEADS – TYPE K, R and T

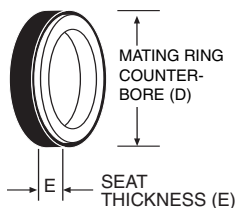
Identify seal head type - Determine Shaft Size:
 Measure the inside diameter of the bellows (dimension A).
 Add approximately .016" additional for rubber squeeze.

Measure the head O.D. (dimension B)

Calculate the operating height of the seal as follows:

Step 1. Measure the total length of the rotating seal (dimension C). (Not compressed).

Step 2. Multiply the total length (dimension C) by .73. The result is the approximate operating height of the seal.



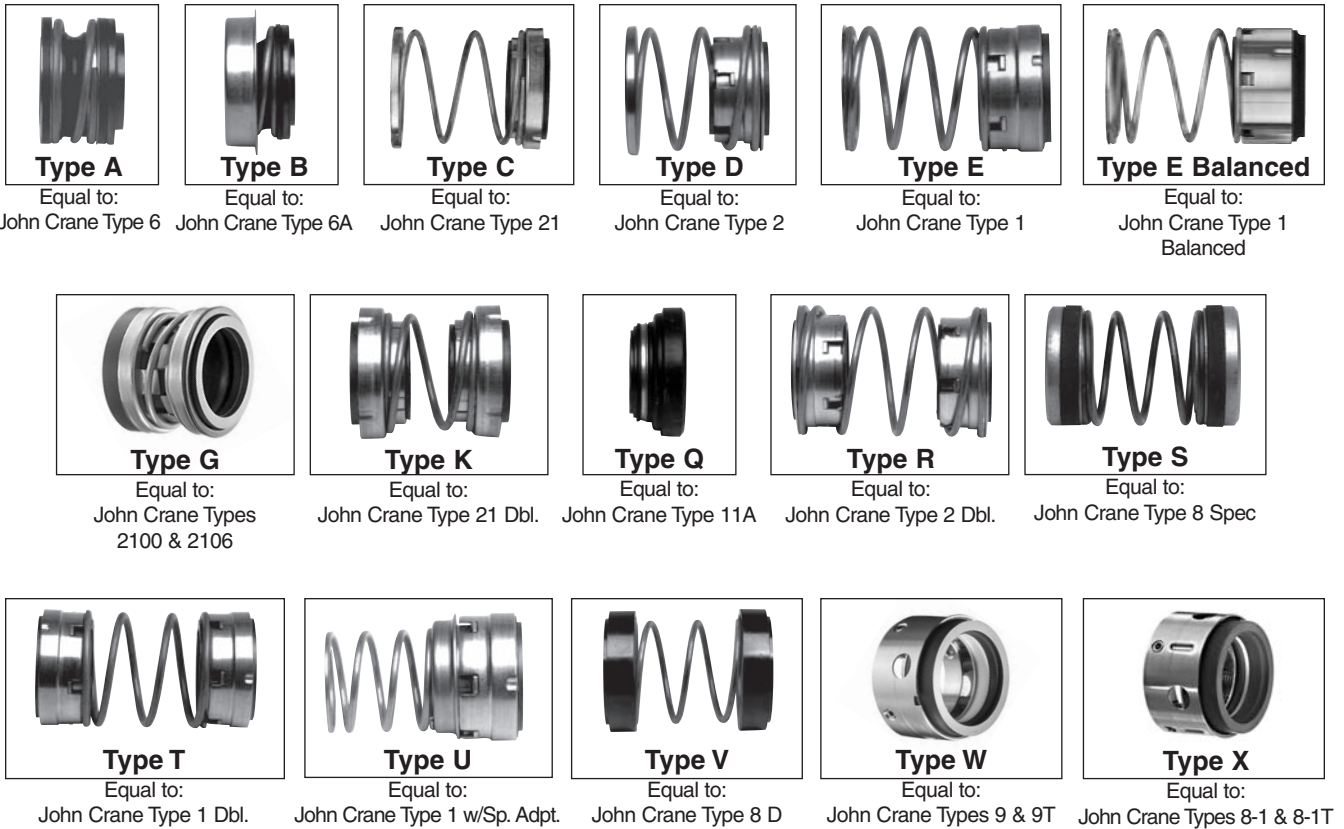
MATING RING and GASKET

Identify the mating ring design from those shown on inside of back cover. Measure O.D. of the gasket while assembled on mating ring and subtract approximately .016" additional for rubber squeeze to obtain counterbore dimension (dimension D).

Measure the combined insert and gasket width (dimension E).

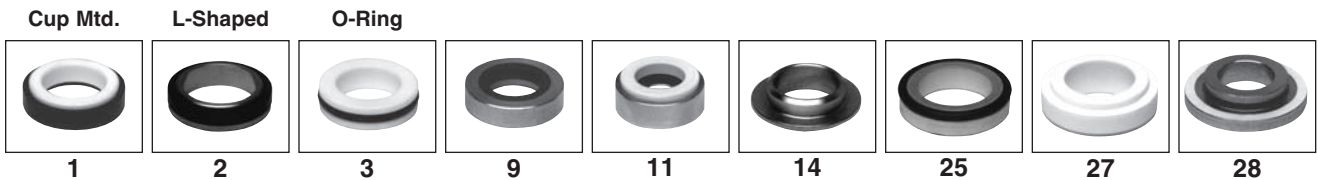
Use the Dimensional Cross Reference by Shaft Size guide (pgs. 79-114) to find the part number of the seal you need, start with Shaft Size and find the line in the tables that matches the dimensions and material code.

HEAD TYPES



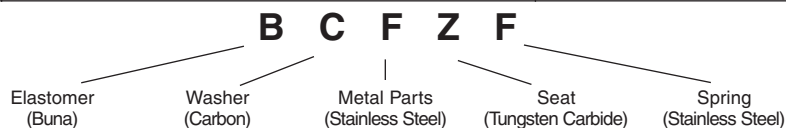
MATING RING DESIGNS

(Available in a wide variety of materials)



U.S. SEAL MFG. MATERIAL CODE

| ELASTOMERS | WASHERS | METAL PARTS | SEATS | SPRINGS |
|-------------|--------------------------|--------------------|---------------------|--------------------|
| B. Buna | A. Bronze | D. Brass | G. Cast Iron | E. Monel |
| N. Neoprene | C. Carbon | E. Monel | J. Ceramic | F. Stainless Steel |
| Q. EPR | H. Glass Filled TFE | F. Stainless Steel | K. Ni-Resist | P. Plated Steel |
| T. PTFE | L. Silicon Carbide | | L. Silicon Carbide | |
| V. Viton® | M. Molded Plastic | | O. Stellite | |
| X. AFLAS® | R. Silicon Carbide (CVR) | | P. Plated Steel | |
| | S. Toolled Steel | | S. Toolled Steel | |
| | Z. Tungsten Carbide | | Z. Tungsten Carbide | |



AFLAS is a registered trademark of Asahi Glass Co. Ltd.
 Viton is a registered trademark of DuPont.



DIMENSIONAL CROSS-REFERENCE BY SHAFT SIZE

| SEAL HEAD | | | SEAT | | | Material Code | NOTES | U.S. SEAL Part No. |
|---------------------------|-------|----------|-------|-------|--------|---------------|-------|--------------------|
| Fig. | O.D. | Oper.Ht. | Fig. | O.D. | Thick. | | | |
| .312 (5/16") SHAFT | | | | | | | | |
| A | 1.062 | .656 | 1 | 1.000 | .312 | BMDJF | | PS-114 |
| C | .812 | .812 | 3 | .875 | .312 | VCFJF | | PS-1064V |
| .375 (3/8") SHAFT | | | | | | | | |
| B | 1.125 | .375 | 1 | 1.000 | .203 | BMFJF | | PS-1615 |
| B | 1.125 | .375 | 1 | .875 | .165 | BMFJF | | PS-671 |
| C | .812 | .812 | 3 | .875 | .312 | BCFJF | | PS-1065 |
| C | .812 | .812 | 3 | .875 | .312 | VCFJF | | PS-1065V |
| .437 (7/16") SHAFT | | | | | | | | |
| C | .875 | .718 | 1 | 1.175 | .240 | VCFJF | | PS-3578V |
| C | .875 | .750 | 1 | 1.181 | .285 | NCFJF | | PS-1133 |
| .500 (1/2") SHAFT | | | | | | | | |
| A | 1.062 | .656 | --- | --- | --- | BMF-F | | PS-298 |
| A | 1.062 | .656 | 1 | 1.000 | .290 | BMFKF | | PS-506 |
| A | 1.062 | .656 | 1 | 1.000 | .312 | BMFJF | | PS-162 |
| B | 1.125 | .418 | 1 | 1.000 | .187 | BMFJF | | PS-1137 |
| B | 1.125 | .537 | --- | --- | --- | BMF-F | | PS-150 |
| B | 1.125 | .537 | 9 | | .312 | BMFKF | A | PS-164 |
| B | 1.125 | .537 | 9 | | .312 | BMFJF | A | PS-165 |
| B | 1.125 | .537 | 1 | .875 | .165 | BMFJF | | PS-1098 |
| B | 1.125 | .537 | 1 | 1.000 | .218 | BMFJF | | PS-142 |
| B | 1.125 | .537 | 1 | 1.000 | .290 | BMFKF | | PS-788 |
| B | 1.125 | .537 | 1 | 1.000 | .312 | BMFJF | | PS-163 |
| C | .922 | .605 | Spec. | 1.360 | .300 | BCFGF | | PS-2138 |
| --- | --- | --- | 1 | .938 | .225 | B--J- | | PS-400A |
| C | .937 | .718 | --- | --- | --- | BMF-F | | PS-400 |
| C | .937 | .718 | --- | --- | --- | VCF-F | | PS-400V |
| C | .937 | .718 | 1 | .938 | .225 | BMFJF | | PS-392 |
| C | .937 | .718 | 1 | .938 | .225 | V/QCFJF | | PS-392V |
| C | .937 | .718 | 1 | .938 | .225 | BMFKF | | PS-393 |
| C | .937 | .718 | 1 | 1.000 | .218 | BMFJF | | PS-1043 |
| C | .937 | .718 | 1 | 1.062 | .312 | BCFJF | | PS-1120 |
| C | .937 | .750 | 1 | 1.125 | .237 | BMFJF | | PS-7712 |
| C | .937 | .812 | --- | --- | --- | BCF-F | | PS-401 |
| C | .937 | .812 | --- | --- | --- | BCF-F | | PS-1050 |
| C | .937 | .812 | 1 | .938 | .225 | BCFJF | | PS-401A |
| C | .937 | .812 | 1 | .938 | .225 | BCFJF | | PS-1012 |
| C | .937 | .812 | 1 | .938 | .250 | BCFKF | | PS-984 |
| C | .937 | .812 | 1 | 1.000 | .290 | BCFKF | | PS-106 |
| C | .937 | .812 | 1 | 1.000 | .290 | VCFKF | | PS-106V |
| C | .937 | .812 | 1 | 1.000 | .290 | BCFKF | | PS-632 |
| C | .937 | .812 | 1 | 1.000 | .312 | BCFJF | | PS-631 |
| C | .937 | .812 | 1 | 1.000 | .312 | BCFJF | | PS-1002 |
| C | .937 | .812 | 1 | 1.000 | .312 | VCFJF | | PS-1002V |
| C | .937 | .812 | 1 | 1.000 | .312 | QCFJF | | PS-1002 -EPR |
| Q | 1.125 | .390 | 9 | | .171 | BMFJF | A | PS-1621 |
| Q | 1.125 | .390 | 9 | | .312 | BMFJF | A | PS-1112 |
| Q | 1.125 | .390 | 1 | .937 | .225 | BMFJF | | PS-749 |

NOTE: A. MOUNTS ON SHAFT

WHEN SEAL IDENTIFICATION IS DOUBTFUL, SEND SAMPLE ALONG WITH APPLICATION INFORMATION AND ALL PUMP NAMEPLATE DATA.



DIMENSIONAL CROSS-REFERENCE BY SHAFT SIZE

| SEAL HEAD | | | SEAT | | | Material Code | NOTES | U.S. SEAL Part No. |
|--------------------------------------|-------|----------|----------|-------|--------|---------------|-------|--------------------|
| Fig. | O.D. | Oper.Ht. | Fig. | O.D. | Thick. | | | |
| .500 (1/2") SHAFT (continued) | | | | | | | | |
| Q | 1.125 | .390 | 1 | 1.000 | .312 | BMFJF | | PS-663 |
| Q | 1.125 | .408 | 9 | | .218 | BMFJF | A | PS-1149 |
| .562 (9/16") SHAFT | | | | | | | | |
| A | 1.218 | .718 | 1 | 1.250 | .406 | VCFJF | | PS-1061 |
| C | 1.062 | .812 | --- | --- | --- | BCF-F | | PS-928 |
| .590 (15MM) SHAFT | | | | | | | | |
| C | 1.062 | .875 | 1 | 1.250 | .406 | VCFKF | I | PS-7520 |
| D | 1.312 | .875 | 1 | 1.250 | .406 | BCFJF | H | PS-129 |
| D | 1.312 | .875 | 1 | 1.250 | .406 | BCFKF | H | PS-1675 |
| .625 (5/8") SHAFT | | | | | | | | |
| A | 1.218 | .718 | | | | BMFJ/MF | G | PS-2131 |
| A | 1.218 | .718 | --- | --- | --- | BCF-F | | PS-218 |
| A | 1.218 | .718 | --- | --- | --- | BMF-F | | PS-299 |
| A | 1.218 | .718 | Press In | .815 | .312 | BMFKF | | PS-293 |
| A | 1.218 | .718 | 1 | 1.187 | .288 | BCFKF | | PS-518 |
| A | 1.218 | .718 | 1 | 1.187 | .288 | BLFLF | | PS-518-SC-SC |
| A | 1.218 | .718 | 1 | 1.187 | .288 | BCFJF | | PS-680 |
| A | 1.218 | .718 | 1 | 1.187 | .288 | BMFKF | | PS-701 |
| A | 1.218 | .718 | 1 | 1.187 | .288 | VCFKF | | PS-701V |
| A | 1.218 | .718 | 1 | 1.187 | .288 | BMFJF | | PS-702 |
| A | 1.218 | .718 | 1 | 1.187 | .288 | VCFJF | | PS-702V |
| A | 1.218 | .718 | 1 | 1.187 | .343 | BMFJF | | PS-100 |
| A | 1.218 | .718 | 1 | 1.187 | .343 | VCFJF | | PS-100V-CMS |
| A | 1.218 | .718 | 3 | 1.187 | .343 | VCFJF | | PS-100V |
| A | 1.218 | .718 | 1 | 1.187 | .343 | BCFJF | | PS-957 |
| A | 1.218 | .718 | 1 | 1.187 | .343 | BMFKF | | PS-1150 |
| A | 1.218 | .718 | 3 | 1.187 | .343 | BMFJF | | PS-711 |
| A | 1.218 | .718 | 1 | 1.250 | .406 | BMFJF | | PS-200 |
| A | 1.218 | .718 | 3 | 1.250 | .406 | VCFJF | | PS-200V |
| A | 1.218 | .718 | 1 | 1.250 | .406 | VCFJF | | PS-200V-CMS |
| A | 1.218 | .718 | 1 | 1.250 | .406 | QCFJF | | PS-200-EPR |
| A | 1.218 | .718 | 1 | 1.250 | .406 | BMFJF | | PS-300 |
| A | 1.218 | .718 | 3 | 1.250 | .406 | VCFJF | | PS-300V |
| A | 1.218 | .718 | 1 | 1.250 | .406 | BMFKF | | PS-507 |
| A | 1.218 | .718 | 3 | 1.250 | .406 | VCFKF | | PS-507V |
| A | 1.218 | .718 | 1 | 1.250 | .406 | BCFJF | | PS-516 |
| A | 1.218 | .718 | 1 | 1.250 | .406 | BCFKF | | PS-524 |
| A | 1.218 | .718 | 1 | 1.250 | .406 | QCFKF | | PS-524-EPR |
| A | 1.218 | .718 | 3 | 1.250 | .406 | BMFKF | | PS-628 |
| A | 1.218 | .718 | 3 | 1.250 | .406 | BMFJF | | PS-637 |
| A | 1.218 | .718 | 1 | 1.250 | .406 | VCFZF | | PS-2204 |
| A | 1.218 | .718 | 1 | 1.375 | .562 | BMFJF | | PS-528 |
| A | 1.218 | .718 | 1 | 1.375 | .562 | VCFJF | | PS-528V |
| A | 1.218 | .811 | 1 | 1.187 | .288 | BCFKF | | PS-955 |
| A | 1.218 | .811 | 1 | 1.187 | .343 | BMFJF | | PS-166 |
| A | 1.218 | .811 | 1 | 1.187 | .343 | BCFJF | | PS-953 |
| A | 1.218 | .811 | 1 | 1.250 | .406 | BMFKF | | PS-153 |

NOTE: A. MOUNTS ON SHAFT
 G. MOUNTS IN PLASTIC
 H. SPRING HOLDER NOT INCLUDED
 I. ABRASION RESISTANT CARBON (P66)

WHEN SEAL IDENTIFICATION IS DOUBTFUL, SEND SAMPLE ALONG WITH APPLICATION INFORMATION AND ALL PUMP NAMEPLATE DATA.



DIMENSIONAL CROSS-REFERENCE BY SHAFT SIZE

| SEAL HEAD | | | SEAT | | | Material Code | NOTES | U.S. SEAL Part No. |
|--------------------------------------|-------|----------|------|-------|--------|---------------|-------|--------------------|
| Fig. | O.D. | Oper.Ht. | Fig. | O.D. | Thick. | | | |
| .625 (5/8") SHAFT (continued) | | | | | | | | |
| A | 1.218 | .811 | 3 | 1.250 | .406 | VCFKF | | PS-153V |
| A | 1.218 | .811 | 1 | 1.250 | .406 | BMFJF | | PS-501 |
| A | 1.218 | .811 | 3 | 1.250 | .406 | VCFJF | | PS-501V |
| A | 1.218 | .811 | 1 | 1.250 | .406 | BCFJF | | PS-952 |
| A | 1.218 | .811 | 1 | 1.250 | .406 | BCFKF | | PS-954 |
| B | 1.437 | .615 | --- | --- | --- | BMF-F | | PS-642 |
| B | 1.437 | .615 | --- | --- | --- | BCF-F | | PS-882 |
| B | 1.437 | .615 | 9 | | .215 | BCFJF | A | PS-447 |
| B | 1.437 | .615 | 9 | | .215 | BCFKF | A | PS-453 |
| B | 1.437 | .615 | 9 | | .215 | BMFJF | A | PS-1021 |
| B | 1.437 | .615 | 9 | | .215 | VCFJF | A | PS-447V |
| B | 1.437 | .615 | 9 | | .312 | BMFJF | A | PS-452 |
| B | 1.437 | .615 | 11 | | .375 | BMFJF | A | PS-202 |
| B | 1.437 | .615 | 11 | | .375 | VCFJF | A | PS-1013 |
| B | 1.437 | .615 | 11 | | .487 | BMFJF | A | PS-411 |
| B | 1.437 | .615 | 11 | | .487 | VCFJF | A | PS-411V |
| B | 1.437 | .615 | 1 | 1.093 | .218 | BMFJF | | PS-113 |
| B | 1.437 | .615 | 1 | 1.093 | .218 | V/BCFJF | | PS-1089 |
| B | 1.437 | .615 | 1 | 1.187 | .288 | BCFKF | | PS-522 |
| B | 1.437 | .615 | 1 | 1.187 | .288 | BMFKF | | PS-616 |
| B | 1.437 | .615 | 1 | 1.187 | .288 | BMFJF | | PS-700 |
| B | 1.437 | .615 | 3 | 1.187 | .288 | BMFJF | | PS-716 |
| B | 1.437 | .615 | 1 | 1.187 | .343 | BCFJF | | PS-963 |
| B | 1.437 | .615 | 1 | 1.187 | .343 | BMFJF | | PS-600 |
| B | 1.437 | .615 | 1 | 1.187 | .343 | VCFJF | | PS-600V-CMS |
| B | 1.437 | .615 | 3 | 1.187 | .343 | VCFJF | | PS-600V |
| B | 1.437 | .615 | 3 | 1.187 | .343 | BMFJF | | PS-717 |
| B | 1.437 | .615 | 1 | 1.250 | .406 | BCFJF | | PS-961 |
| B | 1.437 | .615 | 1 | 1.250 | .406 | BCFKF | | PS-964 |
| B | 1.437 | .615 | 1 | 1.250 | .406 | BMFKF | | PS-1152 |
| B | 1.437 | .615 | 1 | 1.250 | .406 | BMFJF | | PS-1000 |
| B | 1.437 | .615 | 3 | 1.250 | .406 | VCFJF | | PS-1000V |
| B | 1.437 | .615 | 3 | 1.250 | .406 | BMFKF | | PS-712 |
| B | 1.437 | .615 | 3 | 1.250 | .406 | BMFJF | | PS-715 |
| B | 1.437 | .615 | 1 | 1.375 | .288 | BMFJF | | PS-151 |
| B | 1.437 | .615 | 1 | 1.375 | .406 | BMFKF | | PS-1005A |
| B | 1.437 | .615 | 1 | 1.375 | .406 | BMFJF | | PS-2161 |
| B | 1.437 | .622 | 2 | 1.250 | .390 | TCFJF | | PS-6860 |
| C | 1.062 | .609 | 3 | 1.250 | .406 | BCFKF | | PS-1625 |
| C | 1.062 | .609 | 3 | 1.250 | .406 | VCFKF | | PS-1626 |
| C | 1.062 | .715 | 1 | 1.187 | .343 | VCFJF | | PS-1091 |
| C | 1.062 | .718 | 1 | 1.250 | .406 | BCFJF | | PS-2160 |
| C | 1.062 | .718 | 3 | 1.250 | .406 | VCFJF | | PS-1045 |
| C | 1.062 | .765 | 1 | 1.187 | .288 | NCDJF | B | PS-989 |
| C | 1.062 | .765 | 1 | 1.187 | .343 | BCDJF | B | PS-1016 |
| C | 1.062 | .765 | 1 | 1.250 | .406 | NCDJF | B | PS-810 |
| C | 1.062 | 1.187 | 1 | 1.156 | .312 | BCFJF | | PS-800 |
| C | 1.062 | .812 | 3 | 1.250 | .406 | QCFKF | | PS-2206 |

NOTE: A. MOUNTS ON SHAFT
B. TAPERED SPRING

WHEN SEAL IDENTIFICATION IS DOUBTFUL, SEND SAMPLE ALONG WITH APPLICATION INFORMATION AND ALL PUMP NAMEPLATE DATA.



DIMENSIONAL CROSS-REFERENCE BY SHAFT SIZE

| SEAL HEAD | | | SEAT | | | Material Code | NOTES | U.S. SEAL Part No. |
|--------------------------------------|-------|------------|------|-------|--------|---------------|-------|--------------------|
| Fig. | O.D. | Oper.Ht. | Fig. | O.D. | Thick. | | | |
| .625 (5/8") SHAFT (continued) | | | | | | | | |
| C | 1.062 | .843 | 20 | --- | Plate | NCPGP | | PS-181 |
| C | 1.062 | .875 | --- | --- | --- | BCF-F | | PS-933 |
| C | 1.062 | .875 | --- | --- | --- | VCF-F | | PS-933V |
| C | 1.062 | .875 | 1 | 1.187 | .288 | BCFJF | | PS-1155 |
| C | 1.062 | .875 | 1 | 1.187 | .288 | BCFKF | | PS-493 |
| C | 1.062 | .875 | 1 | 1.187 | .288 | VCFKF | | PS-493V |
| C | 1.062 | .875 | 1 | 1.187 | .288 | BCFJF | | PS-733 |
| C | 1.062 | .875 | 1 | 1.187 | .288 | VCFJF | | PS-1155V |
| C | 1.062 | .875 | 1 | 1.187 | .288 | VCFZF | | PS-1155V-TC-SEAT |
| C | 1.062 | .875 | 1 | 1.187 | .296 | QCFJF | | PS-2214 |
| C | 1.062 | .875 | 1 | 1.187 | .343 | BCFJF | | PS-118 |
| C | 1.062 | .875 | 1 | 1.187 | .343 | BCFKF | | PS-1154 |
| C | 1.062 | .875 | 3 | 1.187 | .343 | BCFJF | | PS-536 |
| C | 1.062 | .875 | 1 | 1.250 | .406 | BCFJF | | PS-290 |
| C | 1.062 | .875 | 1 | 1.250 | .406 | VCFJF | | PS-290V |
| C | 1.062 | .875 | 1 | 1.250 | .406 | BCFJF | | PS-359 |
| C | 1.062 | .875 | 1 | 1.250 | .406 | VCFJF | | PS-359V-CMS |
| C | 1.062 | .875 | 1 | 1.250 | .406 | BCFKF | | PS-633 |
| C | 1.062 | .875 | 1 | 1.250 | .406 | NCFJF | | PS-1079 |
| C | 1.062 | .875 | 1 | 1.250 | .406 | NCFKF | | PS-1080 |
| C | 1.062 | .875 | 1 | 1.250 | .406 | BCFKF | | PS-1156 |
| C | 1.062 | .875 | 1 | 1.250 | .406 | VCFKF | | PS-1156V |
| C | 1.062 | .875 | 3 | 1.250 | .406 | VCFJF | | PS-359V |
| C | 1.062 | .875 | 3 | 1.250 | .406 | VCFJF | I | PS-359V-P66 |
| C | 1.062 | .875 | 3 | 1.250 | .406 | BCFJF | | PS-552 |
| C | 1.062 | .875 | 3 | 1.250 | .406 | VCFKF | | PS-633V |
| C | 1.062 | .875 | 1 | 1.250 | .406 | VCFKF | | PS-633V-CMS |
| C | 1.062 | .875 | 1 | 1.250 | .406 | VCFKF | I | PS-633V-P66 |
| C | 1.062 | .875 | 3 | 1.250 | .406 | BCFKF | | PS-732 |
| C | 1.062 | .875 | 3 | 1.250 | .406 | QCFKF | | PS-732-EPR |
| C | 1.062 | .875 | 3 | 1.375 | .406 | VCFKF | | PS-951 |
| C | 1.062 | .968/1.093 | 1 | 1.250 | .406 | BCFJF | | PS-1119 |
| C | 1.062 | .968/1.093 | 1 | 1.250 | .406 | VCFJF | | PS-1119V |
| C | 1.187 | .875 | 1 | 1.375 | .406 | VCFJF | | PS-626 |
| C | 1.312 | .937 | 1 | 1.250 | .406 | V/BCFJF | B | PS-1085 |
| C | 1.312 | .937 | 1 | 1.250 | .406 | VCFJF | B | PS-1085V |
| C | 1.312 | .937 | 1 | 1.250 | .406 | BCFJF | B | PS-1618 |
| C | 1.312 | .937 | 3 | 1.250 | .406 | BCFKF | B | PS-2149 |
| D | 1.312 | .875 | --- | --- | --- | BCD-F | | PS-109 |
| D | 1.312 | .875 | 1 | 1.187 | .288 | BCDKF | | PS-226 |
| D | 1.312 | .875 | 1 | 1.187 | .288 | BCDJF | | PS-531 |
| D | 1.312 | .875 | 1 | 1.187 | .288 | BCFKF | | PS-2007 |
| D | 1.312 | .875 | 1 | 1.187 | .343 | BCDKF | | PS-263 |
| D | 1.312 | .875 | 3 | 1.187 | .343 | BCDJF | | PS-737 |
| D | 1.312 | .875 | 1 | 1.187 | .343 | BCFJF | | PS-2004 |
| D | 1.312 | .875 | 1 | 1.250 | .406 | BCDKF | | PS-102 |
| D | 1.312 | .875 | 3 | 1.250 | .406 | VCDKF | | PS-102V |
| D | 1.312 | .875 | 1 | 1.250 | .406 | BCDJF | | PS-508 |
| D | 1.312 | .875 | 3 | 1.250 | .406 | VCDJF | | PS-508V |

WHEN SEAL IDENTIFICATION IS DOUBTFUL, SEND SAMPLE ALONG WITH APPLICATION INFORMATION AND ALL PUMP NAMEPLATE DATA.

NOTE: B. TAPERED SPRING
I. ABRASION RESISTANT CARBON (P66)

DIMENSIONAL CROSS-REFERENCE BY SHAFT SIZE

| SEAL HEAD | | | SEAT | | | Material Code | NOTES | U.S. SEAL Part No. |
|--------------------------------------|-------|----------|------|-------|--------|---------------|-------|--------------------|
| Fig. | O.D. | Oper.Ht. | Fig. | O.D. | Thick. | | | |
| .625 (5/8") SHAFT (continued) | | | | | | | | |
| D | 1.312 | .875 | 1 | 1.250 | .406 | VCDJF | | PS-508V-CMS |
| D | 1.312 | .875 | 3 | 1.250 | .406 | BCDKF | | PS-734 |
| D | 1.312 | .875 | 3 | 1.250 | .406 | BCDJF | | PS-735 |
| D | 1.312 | .875 | 1 | 1.250 | .406 | BCFJF | | PS-2000 |
| D | 1.312 | .875 | 3 | 1.250 | .406 | BCFJF | | PS-2002 |
| E | 1.093 | 1.312 | 1 | 1.187 | .288 | BCDKF | | PS-486 |
| E | 1.093 | 1.312 | 1 | 1.187 | .288 | BCDJF | | PS-740 |
| E | 1.093 | 1.312 | 3 | 1.187 | .288 | BCFKF | | PS-2023 |
| E | 1.093 | 1.312 | 1 | 1.187 | .343 | BCDJF | | PS-485 |
| E | 1.093 | 1.312 | 3 | 1.187 | .343 | BCDJF | | PS-748 |
| E | 1.093 | 1.312 | 1 | 1.187 | .343 | BCFJF | | PS-2020 |
| E | 1.093 | 1.312 | 1 | 1.187 | .343 | BCFKF | | PS-2021 |
| E | 1.093 | 1.312 | 3 | 1.187 | .343 | BCFJF | | PS-2022 |
| E | 1.093 | 1.312 | 2 | 1.250 | .343 | BCDKF | | PS-1158 |
| E | 1.093 | 1.312 | 1 | 1.250 | .406 | BCDJF | | PS-274 |
| E | 1.093 | 1.312 | 1 | 1.250 | .406 | VCDJF | | PS-274V |
| E | 1.093 | 1.312 | 1 | 1.250 | .406 | BCDKF | | PS-487 |
| E | 1.093 | 1.312 | 1 | 1.250 | .406 | BCFJF | | PS-2016 |
| E | 1.093 | 1.312 | 1 | 1.250 | .406 | BCFKF | | PS-2017 |
| E | 1.093 | 1.312 | 3 | 1.250 | .406 | BCDKF | | PS-738 |
| E | 1.093 | 1.312 | 3 | 1.250 | .406 | BCDJF | | PS-739 |
| K | 1.062 | 1.187 | --- | --- | --- | BCF-F | | PS-678 |
| S | 1.312 | 1.395 | 8 | 1.187 | .125 | NAPSP | | PS-795 |
| .750 (3/4") SHAFT | | | | | | | | |
| A | 1.343 | .718 | --- | --- | --- | BCF-F | | PS-974 |
| A | 1.343 | .718 | --- | --- | --- | BMF-F | | PS-1522 |
| A | 1.343 | .718 | 1 | 1.375 | .281 | BCFJF | | PS-764 |
| A | 1.343 | .718 | 1 | 1.375 | .406 | BCFJF | | PS-851 |
| A | 1.343 | .718 | 1 | 1.375 | .406 | BMFKF | | PS-921 |
| A | 1.343 | .718 | 1 | 1.375 | .406 | BCFKF | | PS-973 |
| A | 1.343 | .718 | 1 | 1.375 | .406 | BMFJF | | PS-201 |
| A | 1.343 | .718 | 1 | 1.375 | .406 | VCFJF | | PS-201V-CMS |
| A | 1.343 | .718 | 3 | 1.375 | .406 | VCFJF | | PS-201V |
| A | 1.343 | .718 | 3 | 1.375 | .406 | BMFJF | | PS-760 |
| A | 1.343 | .718 | 3 | 1.375 | .406 | BMFKF | | PS-762 |
| A | 1.343 | .718 | 1 | 1.437 | .406 | BMFJF | | PS-101 |
| A | 1.343 | .718 | 1 | 1.437 | .406 | VCFJF | | PS-101V |
| A | 1.343 | .718 | 1 | 1.437 | .406 | BCFJF | | PS-968 |
| A | 1.343 | .718 | 1 | 1.500 | .250 | BMFJF | | PS-1525 |
| A | 1.343 | .718 | 8 | | .125 | BMFKF | A | PS-199 |
| A | 1.343 | .978 | 1 | 1.375 | .281 | BMFJF | | PS-301 |
| B | 1.575 | .615 | --- | --- | --- | BMF-F | | PS-647 |
| B | 1.575 | .615 | --- | --- | --- | BCF-F | | PS-1024 |
| B | 1.575 | .615 | 9 | | .281 | BMFKF | A | PS-902 |
| B | 1.575 | .615 | 9 | | .312 | BMFJF | A | PS-1622 |
| B | 1.575 | .615 | 9 | | .375 | BMFKF | A | PS-441 |
| B | 1.575 | .615 | 11 | | .437 | BMFJF | A | PS-440 |
| B | 1.575 | .615 | 1 | 1.375 | .406 | BMFKF | | PS-606 |
| B | 1.575 | .615 | 1 | 1.375 | .406 | BMFJF | | PS-601 |

NOTE: A. MOUNTS ON SHAFT

WHEN SEAL IDENTIFICATION IS DOUBTFUL, SEND SAMPLE ALONG WITH APPLICATION INFORMATION AND ALL PUMP NAMEPLATE DATA.



DIMENSIONAL CROSS-REFERENCE BY SHAFT SIZE

| SEAL HEAD | | | SEAT | | | Material Code | NOTES | U.S. SEAL Part No. |
|--------------------------------------|-------|----------|------|-------|--------|---------------|-------|--------------------|
| Fig. | O.D. | Oper.Ht. | Fig. | O.D. | Thick. | | | |
| .750 (3/4") SHAFT (continued) | | | | | | | | |
| B | 1.575 | .615 | 3 | 1.375 | .406 | VCFJF | | PS-601V |
| B | 1.575 | .615 | 3 | 1.375 | .406 | BMFJF | | PS-765 |
| B | 1.575 | .615 | 3 | 1.375 | .406 | BMDKF | | PS-766 |
| B | 1.575 | .615 | 11 | 1.375 | .406 | BCFJF | | PS-7618 |
| C | 1.187 | .718 | 1 | 1.375 | .281 | BCFJF | | PS-944 |
| C | 1.187 | .718 | 1 | 1.375 | .406 | BCFJF | | PS-877 |
| C | 1.187 | .718 | 1 | 1.375 | .406 | VCFJF | | PS-877V |
| C | 1.187 | .718 | 1 | 1.375 | .406 | VCFKF | | PS-1092 |
| C | 1.187 | .718 | 1 | 1.375 | .406 | VCFJF | | PS-1093 |
| C | 1.187 | .718 | 1 | 1.375 | .406 | BCFKF | | PS-1113 |
| C | 1.187 | .718 | 1 | 1.375 | .406 | BCFJF | | PS-1125 |
| C | 1.187 | .718 | 3 | 1.375 | .406 | BCFJF | | PS-2236 |
| C | 1.187 | .718 | 1 | 1.437 | .406 | BCFJF | | PS-7514 |
| C | 1.187 | .843 | 1 | 1.375 | .406 | BCFJF | B | PS-128 |
| C | 1.187 | .843 | 3 | 1.375 | .406 | VCFJF | B | PS-128V |
| C | 1.187 | .875 | --- | --- | --- | BCF-F | | PS-157 |
| C | 1.187 | .875 | 1 | 1.312 | .406 | BCFJF | | PS-1514 |
| C | 1.187 | .875 | 1 | 1.375 | .281 | BCFJF | | PS-1510 |
| C | 1.87 | .875 | 1 | 1.375 | .281 | VCFJF | | PS-1510V |
| C | 1.187 | .875 | 1 | 1.375 | .406 | BCFKF | | PS-112 |
| C | 1.187 | .875 | 1 | 1.375 | .406 | BCFJF | | PS-358 |
| C | 1.187 | .875 | 1 | 1.375 | .406 | VCFJF | | PS-358V-CMS |
| C | 1.187 | .875 | 1 | 1.375 | .406 | BCFKF | | PS-1160 |
| C | 1.187 | .875 | 1 | 1.375 | .406 | BCFKF | | PS-2229 |
| C | 1.187 | .875 | 3 | 1.375 | .406 | VCFKF | | PS-112V |
| C | 1.187 | .875 | 3 | 1.375 | .406 | VCFJF | | PS-358V |
| C | 1.187 | .875 | 3 | 1.375 | .406 | BCFJF | | PS-767 |
| C | 1.187 | .875 | 3 | 1.375 | .406 | BCFKF | | PS-768 |
| C | 1.187 | .875 | 1 | 1.437 | .406 | BCFJF | | PS-7277 |
| C | 1.187 | .875 | 1 | 1.500 | .250 | BCFJF | | PS-683 |
| C | 1.187 | .906 | 20 | Plate | Plate | NCPGP | | PS-182 |
| C | 1.187 | 1.312 | --- | --- | --- | BCF-F | | PS-564 |
| C | 1.187 | 1.312 | 1 | 1.375 | .406 | BCFJF | | PS-275 |
| C | 1.187 | 1.312 | 1 | 1.375 | .406 | BCFKF | | PS-373 |
| C | 1.187 | 1.312 | 1 | 1.375 | .406 | VCFKF | | PS-373V |
| C | 1.187 | 1.312 | 3 | 1.375 | .406 | BCFJF | | PS-771 |
| C | 1.187 | 1.312 | 3 | 1.375 | .406 | BCFKF | | PS-773 |
| D | 1.437 | .875 | --- | --- | --- | BCD-F | | PS-399 |
| D | 1.437 | .875 | 1 | 1.275 | .281 | BCDJF | | PS-437 |
| D | 1.437 | .875 | 1 | 1.275 | .281 | VCDJF | | PS-437V |
| D | 1.437 | .875 | 1 | 1.375 | .281 | BCDJF | | PS-1162 |
| D | 1.437 | .875 | 3 | 1.375 | .406 | BCDKF | | PS-265 |
| D | 1.437 | .875 | 1 | 1.375 | .406 | BCDJF | | PS-750 |
| D | 1.437 | .875 | 3 | 1.375 | .406 | VCDJF | | PS-750V |
| D | 1.437 | .875 | 1 | 1.375 | .406 | VCDJF | | PS-750V-CMS |
| D | 1.437 | .875 | 1 | 1.375 | .406 | BCDKF | | PS-752 |
| D | 1.437 | .875 | 3 | 1.375 | .406 | VCDKF | | PS-752V |
| D | 1.437 | .875 | 1 | 1.375 | .406 | BCFJF | | PS-2008 |

WHEN SEAL IDENTIFICATION IS DOUBTFUL, SEND SAMPLE ALONG WITH APPLICATION INFORMATION AND ALL PUMP NAMEPLATE DATA.

NOTE: B. TAPERED SPRING



DIMENSIONAL CROSS-REFERENCE BY SHAFT SIZE

| SEAL HEAD | | | SEAT | | | Material Code | NOTES | U.S. SEAL Part No. |
|--------------------------------------|-------|----------|------|-------------|-----------|---------------|-------|--------------------|
| Fig. | O.D. | Oper.Ht. | Fig. | O.D. | Thick. | | | |
| .750 (3/4") SHAFT (continued) | | | | | | | | |
| D | 1.437 | .875 | 1 | 1.375 | .406 | BCFKF | | PS-2009 |
| D | 1.437 | .875 | 3 | 1.375 | .406 | BCFJF | | PS-2010 |
| D | 1.437 | .875 | 1 | 1.437 | .406 | BCDKF | | PS-444 |
| D | 1.437 | .875 | 1 | 1.437 | .406 | BCDJF | | PS-1161 |
| D | 1.437 | 1.000 | 1 | 1.437 | .406 | BCDKF | | PS-1026 |
| J | 1.225 | .875 | 1 | 1.375 | .375 | BCFJF | | PS-812 |
| K | 1.187 | 1.156 | 1 | 1.375/1.500 | .281/.250 | BCFJF | | PS-175 |
| K | 1.187 | 1.625 | --- | --- | --- | BCF-F | | PS-145 |
| K | 1.187 | 1.700 | 1 | 1.375 | .406 | BCFJF | | PS-1604 |
| S | 1.625 | 1.953 | 8 | 1.500 | .250 | NAPSP | | PS-792 |
| .787 (20MM) SHAFT | | | | | | | | |
| D | 1.562 | .937 | 1 | 1.500 | .406 | BCDJF | H | PS-135 |
| D | 1.562 | .937 | 1 | 1.500 | .406 | VCDKF | H | PS-614 |
| D | 1.562 | .937 | 1 | 1.500 | .406 | VCDKF | H | PS-614V |
| .875 (7/8") SHAFT | | | | | | | | |
| C | 1.312 | .812 | 1 | 1.437 | .265 | BCFJF | | PS-2167 |
| C | 1.312 | .812 | 3 | 1.437 | .265 | BCFKF | | PS-2169 |
| C | 1.312 | .812 | 3 | 1.437 | .265 | VCFKF | | PS-2169V |
| C | 1.312 | .812 | 3 | 1.437 | .265 | QCFKF | I | PS-2224 |
| C | 1.312 | .812 | 1 | 1.500 | .406 | BCFJF | | PS-7130 |
| C | 1.312 | .937 | --- | --- | --- | BCF-F | | PS-208 |
| C | 1.312 | .937 | 1 | 1.437 | .265 | BCFJF | | PS-2166 |
| C | 1.312 | .937 | 3 | 1.437 | .265 | BCFKF | | PS-2168 |
| C | 1.312 | .937 | 1 | 1.500 | .406 | BCFJF | | PS-309 |
| C | 1.312 | .937 | 3 | 1.500 | .406 | VCFJF | | PS-309V |
| C | 1.312 | .937 | 1 | 1.500 | .406 | VCFJF | | PS-309V-CMS |
| C | 1.312 | .937 | 3 | 1.500 | .406 | BCFKF | | PS-617 |
| C | 1.312 | .937 | 1 | 1.500 | .406 | BCFKF | | PS-687 |
| C | 1.312 | .937 | 3 | 1.500 | .406 | VCFKF | | PS-687V |
| C | 1.312 | .937 | 1 | 1.500 | .406 | VCFKF | | PS-687V-CMS |
| C | 1.312 | .937 | 3 | 1.500 | .406 | BCFJF | | PS-774 |
| C | 1.312 | .937 | 1 | 1.562 | .406 | BCFJF | | PS-1163 |
| C | 1.312 | .937 | 1 | 1.562 | .406 | BCFKF | | PS-294 |
| D | 1.562 | .937 | --- | --- | --- | BCD-F | | PS-578 |
| D | 1.562 | .921 | 1 | 1.437 | .265 | BCDJF | | PS-790 |
| D | 1.562 | .937 | 3 | 1.437 | .265 | BCDKF | | PS-1681 |
| D | 1.562 | .937 | 3 | 1.500 | .406 | BCDKF | | PS-250 |
| D | 1.562 | .937 | 1 | 1.500 | .406 | BCDKF | | PS-303 |
| D | 1.562 | .937 | 3 | 1.500 | .406 | VCDKF | | PS-303V |
| D | 1.562 | .937 | 1 | 1.500 | .406 | BCDJF | | PS-703 |
| D | 1.562 | .937 | 3 | 1.500 | .406 | VCDJF | | PS-703V |
| D | 1.562 | .937 | 3 | 1.500 | .406 | BCDJF | | PS-775 |
| D | 1.562 | .937 | 1 | 1.500 | .406 | BCFJF | | PS-2024 |
| D | 1.562 | .937 | 3 | 1.500 | .406 | BCFJF | | PS-2026 |
| D | 1.562 | .937 | 3 | 1.500 | .406 | BCFKF | | PS-2027 |
| D | 1.562 | .937 | 3 | 1.500 | .406 | VCFKF | | PS-2027V |
| D | 1.562 | .937 | 1 | 1.562 | .406 | BCDJF | | PS-602 |
| D | 1.562 | .937 | 1 | 1.562 | .406 | BCDKF | | PS-603 |

NOTE: H. SPRING HOLDER NOT INCLUDED
 I. ABRASION RESISTANT CARBON (P66)

WHEN SEAL IDENTIFICATION IS DOUBTFUL, SEND SAMPLE ALONG WITH APPLICATION INFORMATION AND ALL PUMP NAMEPLATE DATA.



DIMENSIONAL CROSS-REFERENCE BY SHAFT SIZE

| SEAL HEAD | | | SEAT | | | Material Code | NOTES | U.S. SEAL Part No. |
|--------------------------------------|-------|----------|------|-------|--------|---------------|-------|--------------------|
| Fig. | O.D. | Oper.Ht. | Fig. | O.D. | Thick. | | | |
| .875 (7/8") SHAFT (continued) | | | | | | | | |
| E | 1.343 | 1.375 | --- | --- | --- | BCF-F | | PS-936 |
| E | 1.343 | 1.375 | 1 | 1.500 | .406 | BCFJF | | PS-188 |
| E | 1.343 | 1.375 | 3 | 1.500 | .406 | VCFJF | | PS-188V |
| E | 1.343 | 1.375 | 3 | 1.500 | .406 | BCFKF | | PS-229 |
| E | 1.343 | 1.375 | 3 | 1.500 | .406 | BCFJF | | PS-776 |
| E | 1.343 | 1.375 | 1 | 1.500 | .406 | BCFKF | | PS-935 |
| E | 1.343 | 1.375 | 1 | 1.500 | .406 | BCFKF | | PS-2029 |
| E | 1.343 | 1.375 | 3 | 1.500 | .406 | BCFJF | | PS-2030 |
| E | 1.343 | 1.375 | 3 | 1.500 | .406 | BCFKF | | PS-2031 |
| J | 1.350 | .875 | 1 | 1.500 | .375 | BCFJF | | PS-287 |
| K | 1.281 | 1.250 | --- | --- | --- | BCF-F | | PS-197 |
| K | 1.281 | 1.250 | 1 | 1.500 | .406 | BCFKF | | PS-878 |
| K | 1.281 | 1.250 | 1 | 1.500 | .406 | BCFJF | | PS-892 |
| K | 1.281 | 1.250 | 3 | 1.500 | .406 | VCFJF | | PS-892V |
| R | 1.562 | 1.625 | 1 | 1.500 | .406 | BCDJF | | PS-428 |
| R | 1.562 | 1.625 | 1 | 1.500 | .406 | BCDKF | | PS-685 |
| .937 (15/16") SHAFT | | | | | | | | |
| U | 1.437 | 1.656 | 1 | 1.562 | .406 | BCFKF | | PS-560SS |
| U | 1.437 | 1.656 | 3 | 1.562 | .406 | VCFKF | | PS-560V |
| U | 1.437 | 1.656 | 3 | 1.562 | .406 | BCFKF | | PS-845 |
| 1.000 (1") SHAFT | | | | | | | | |
| A | 1.687 | .812 | --- | --- | --- | BMF-F | | PS-975 |
| A | 1.687 | .812 | 1 | 1.625 | .437 | BMFKF | | PS-370 |
| A | 1.687 | .812 | 1 | 1.625 | .437 | BCFJF | | PS-360 |
| A | 1.687 | .812 | 3 | 1.625 | .437 | VCFJF | | PS-360V |
| A | 1.687 | .812 | 3 | 1.625 | .437 | BMFJF | | PS-777 |
| A | 1.687 | .812 | 3 | 1.625 | .437 | BMFKF | | PS-778 |
| A | 1.687 | .812 | 25 | 1.625 | .625 | BMFJF | | PS-405 |
| A | 1.687 | .812 | 3 | 2.000 | .406 | BCFJF | | PS-1086 |
| A | 1.687 | .812 | 3 | 2.000 | .406 | VCFJF | | PS-1086V |
| B | 1.625 | .874 | 1 | 1.625 | .437 | BMDJP | | PS-1619 |
| C | 1.437 | .750 | 1 | 1.625 | .437 | BCFJF | H | PS-1048 |
| C | 1.437 | .750 | 3 | 1.625 | .437 | BCFJF | | PS-1049 |
| C | 1.437 | 1.625 | 1 | 1.625 | .437 | BCFJF | H | PS-539 |
| C | 1.437 | 1.625 | 1 | 1.625 | .437 | BCFKF | | PS-779 |
| C | 1.687 | .812 | --- | --- | --- | BCF-F | | PS-1095 |
| C | 1.687 | .812 | 1 | 1.625 | .437 | VCFJF | | PS-1094 |
| C | 1.687 | .843 | 1 | 1.625 | .406 | BCFKF | | PS-1123 |
| C | 1.687 | 1.000 | --- | --- | --- | BCF-F | | PS-397 |
| C | 1.687 | 1.000 | --- | --- | --- | VCF-F | | PS-397V |
| C | 1.687 | 1.000 | 3 | 1.437 | .437 | BCFJF | | PS-2145 |
| C | 1.687 | 1.000 | 1 | 1.625 | .437 | BCFJF | | PS-235 |
| C | 1.687 | 1.000 | 1 | 1.625 | .437 | VCFJF | | PS-235V-CMS |
| C | 1.687 | 1.000 | 3 | 1.625 | .437 | VCFJF | | PS-235V |
| C | 1.687 | 1.000 | 1 | 1.625 | .437 | BCFJF | B | PS-245 |
| C | 1.687 | 1.000 | 1 | 1.625 | .437 | QCFKF | B | PS-245-EPR |
| C | 1.687 | 1.000 | 3 | 1.625 | .437 | VCFJF | B | PS-245V |
| C | 1.687 | 1.000 | 1 | 1.625 | .437 | VCFJF | B | PS-245V-CMS |
| C | 1.687 | 1.000 | 1 | 1.625 | .437 | BCFKF | B | PS-248 |

WHEN SEAL IDENTIFICATION IS DOUBTFUL, SEND SAMPLE ALONG WITH APPLICATION INFORMATION AND ALL PUMP NAMEPLATE DATA.

NOTE: B. TAPERED SPRING
H. SPRING HOLDER NOT INCLUDED



DIMENSIONAL CROSS-REFERENCE BY SHAFT SIZE

| SEAL HEAD | | | SEAT | | | Material Code | NOTES | U.S. SEAL Part No. |
|-------------------------------------|-----------------------|----------|------|-------|--------|---------------|-------|--------------------|
| Fig. | O.D. | Oper.Ht. | Fig. | O.D. | Thick. | | | |
| 1.000 (1") SHAFT (continued) | | | | | | | | |
| C | 1.687 | 1.000 | 1 | 1.625 | .437 | QCCKF | B | PS-248-EPR |
| C | 1.687 | 1.000 | 3 | 1.625 | .437 | VCKFK | B | PS-248V |
| C | 1.687 | 1.000 | 1 | 1.625 | .437 | VCKFK | B | PS-248V-CMS |
| C | 1.687 | 1.000 | 1 | 1.625 | .437 | BCCKF | | PS-357 |
| C | 1.687 | 1.000 | 1 | 1.625 | .437 | QCCKF | | PS-357V-CMS |
| C | 1.687 | 1.000 | 3 | 1.625 | .437 | VCKFK | | PS-357V |
| C | 1.687 | 1.000 | 3 | 1.625 | .437 | BCCKF | | PS-499 |
| C | 1.687 | 1.000 | 3 | 1.625 | .437 | QCCKF | | PS-499-EPR |
| C | 1.687 | 1.000 | 3 | 1.625 | .437 | BCFJF | | PS-548 |
| C | 1.687 | 1.000 | 1 | 1.625 | .437 | BZFZF | | PS-2216 |
| C | 1.687 | 1.000 | 25 | 1.625 | .625 | BCFJF | | PS-413 |
| C | 1.687 | 1.000 | 1 | 1.750 | .437 | BCCKF | | PS-2163 |
| C | 1.687 | 1.000 | 1 | 1.750 | .437 | BCFJF | | PS-3440 |
| C | 1.687 | 1.000 | 28 | 2.440 | .438 | BCCKF | | PS-1034 |
| C | 1.687 | 1.015 | 1 | 1.812 | .687 | BCFJF | | PS-1072 |
| C | 1.687 | 1.562 | 1 | 1.625 | .437 | BCCKF | | PS-982 |
| D | 1.750 | 1.000 | 3 | 1.625 | .312 | BCPKF | | PS-1630 |
| D | 1.750 | 1.000 | 3 | 1.625 | .312 | VCPKF | | PS-1630V |
| D | 1.750 | 1.000 | 3 | 1.625 | .437 | NCPGP | | PS-159 |
| D | 1.750 | 1.062 | --- | --- | --- | BCF-F | | PS-398 |
| D | 1.750 | 1.062 | 1 | 1.625 | .437 | BCFJF | | PS-380 |
| D | 1.750 | 1.062 | 3 | 1.625 | .437 | VCFJF | | PS-380V |
| D | 1.750 | 1.062 | 1 | 1.625 | .437 | VCFJF | | PS-380V-CMS |
| D | 1.750 | 1.062 | 1 | 1.625 | .437 | BCCKF | | PS-460 |
| D | 1.750 | 1.062 | 3 | 1.625 | .437 | VCKFK | | PS-460V |
| D | 1.750 | 1.062 | 1 | 1.625 | .437 | VCDKF | | PS-460V-CMS |
| D | 1.750 | 1.062 | 3 | 1.625 | .437 | BCCKF | | PS-252 |
| D | 1.750 | 1.062 | 3 | 1.625 | .437 | BCFJF | | PS-2033 |
| D | 1.750 | 1.062 | 1 | 1.750 | .437 | BCCKF | | PS-227 |
| D | 1.750 | 1.062 | 1 | 1.750 | .437 | BCFJF | | PS-2164 |
| E | 1.500 | 1.187 | 3 | 1.625 | .437 | BCCKF | | PS-251 |
| E | 1.500 | 1.562 | --- | --- | --- | BCF-F | | PS-937 |
| E | 1.500 | 1.562 | 1 | 1.625 | .437 | BCCKF | | PS-236 |
| E | 1.500 | 1.562 | 1 | 1.625 | .437 | VCKFK | | PS-236V-CMS |
| E | 1.500 | 1.562 | 1 | 1.625 | .437 | BCFJF | | PS-754 |
| E | 1.500 | 1.562 | 3 | 1.625 | .437 | VCKFK | | PS-236V |
| E | 1.500 | 1.562 | 3 | 1.625 | .437 | BCFJF | | PS-754V |
| E | 1.500 | 1.562 | 1 | 1.625 | .437 | VCKFK | | PS-754V-CMS |
| E | 1.500 | 1.562 | 3 | 1.625 | .437 | BCFJF | | PS-557 |
| E | 1.500 | 1.562 | 3 | 1.625 | .437 | BCCKF | | PS-791 |
| J | 1.470 | 1.000 | 1 | 1.625 | .375 | BCFJF | | PS-813 |
| K | 1.687 | 1.625 | 1 | 1.625 | .437 | BCFJF | | PS-879 |
| K | 1.687 | 1.625 | 1 | 1.625 | .437 | BCCKF | | PS-891 |
| N | Special Unitized Seal | | | | | NMRKF | | PS-3100 |
| N | 1.906 | .471 | 9 | --- | .421 | NMDKF | A | PS-3401 |
| R | 1.750 | 1.875 | --- | --- | --- | BCF-F | | PS-141 |
| R | 1.750 | 1.875 | 1 | 1.625 | .437 | BCFJF | | PS-429 |
| R | 1.750 | 1.875 | 1 | 1.625 | .437 | BCCKF | | PS-430 |
| S | 1.904 | 1.906 | 8 | 1.750 | .250 | NAPSP | | PS-793 |
| T | 1.500 | 1.968 | 3 | 1.625 | .312 | NCPKF | | PS-1631 |

NOTE: A. MOUNTS ON SHAFT
B. TAPERED SPRING

WHEN SEAL IDENTIFICATION IS DOUBTFUL, SEND SAMPLE ALONG WITH APPLICATION INFORMATION AND ALL PUMP NAMEPLATE DATA.



DIMENSIONAL CROSS-REFERENCE BY SHAFT SIZE

| SEAL HEAD | | | SEAT | | | Material Code | NOTES | U.S. SEAL Part No. |
|-------------------------------------|-------|----------|------|-------|--------|---------------|-------|--------------------|
| Fig. | O.D. | Oper.Ht. | Fig. | O.D. | Thick. | | | |
| 1.000 (1") SHAFT (continued) | | | | | | | | |
| T | 1.500 | 2.312 | 1 | 1.625 | .437 | BCFJF | | PS-276 |
| T | 1.500 | 2.312 | 1 | 1.625 | .437 | BCFKF | | PS-277 |
| 1.062 (1-1/16") SHAFT | | | | | | | | |
| C | 1.812 | 1.062 | 3 | 1.750 | .437 | BCFKF | | PS-2155 |
| D | 1.875 | 1.062 | 1 | 1.750 | .437 | BCDKF | | PS-127 |
| D | 1.875 | 1.062 | 3 | 1.750 | .437 | BCFJF | | PS-797 |
| E | 1.625 | 1.593 | 1 | 1.750 | .437 | BCFKF | | PS-498 |
| E | 1.625 | 1.593 | 1 | 1.750 | .437 | BCFJF | | PS-710 |
| E | 1.625 | 1.593 | 3 | 1.750 | .437 | BCFJF | | PS-798 |
| E | 1.625 | 1.593 | 3 | 1.750 | .437 | BCFKF | | PS-799 |
| 1.125 (1-1/8") SHAFT | | | | | | | | |
| C | 1.812 | 1.062 | --- | --- | --- | BCF-F | | PS-348 |
| C | 1.812 | 1.062 | --- | --- | --- | VCF-F | | PS-348V |
| C | 1.812 | 1.062 | 1 | 1.750 | .437 | BCFKF | | PS-355 |
| C | 1.812 | 1.062 | 3 | 1.750 | .437 | VCFKF | | PS-355V |
| C | 1.812 | 1.062 | 1 | 1.750 | .437 | VCFKF | | PS-355V-CMS |
| C | 1.812 | 1.062 | 1 | 1.750 | .437 | BCFJF | | PS-356 |
| C | 1.812 | 1.062 | 1 | 1.750 | .437 | QCFJF | | PS-356-EPR |
| C | 1.812 | 1.062 | 3 | 1.750 | .437 | VCFJF | | PS-356V |
| C | 1.812 | 1.062 | 1 | 1.750 | .437 | VCFJF | | PS-356V-CMS |
| C | 1.812 | 1.062 | 3 | 1.750 | .437 | BCFKF | | PS-529 |
| C | 1.812 | 1.062 | 3 | 1.750 | .437 | QCFKF | | PS-529-EPR |
| C | 1.812 | 1.062 | 3 | 1.750 | .437 | BCFKF | B | PS-588 |
| C | 1.812 | 1.062 | 3 | 1.750 | .437 | BCFJF | | PS-801 |
| C | 1.812 | 1.062 | 1 | 1.750 | .437 | BCFKF | B | PS-1167 |
| C | 1.812 | 1.062 | 1 | 1.750 | .437 | BCFJF | B | PS-1682 |
| C | 1.812 | 1.062 | 3 | 1.750 | .437 | QCFZF | I | PS-2226 |
| C | 1.812 | 1.406 | 1 | 1.750 | .437 | BCFJF | B | PS-627 |
| C | 1.812 | 1.562 | 1 | 1.750 | .437 | BCFKF | | PS-983 |
| C | 1.812 | 1.562 | 1 | 1.750 | .437 | BCFJF | | PS-2227 |
| C | 1.812 | 1.562 | 3 | 1.750 | .437 | VCFKF | | PS-983V |
| D | 1.875 | 1.062 | 1 | 1.875 | .562 | BCFKF | | PS-521 |
| D | 1.875 | 1.062 | 1 | 1.750 | .437 | BCFJF | | PS-604 |
| D | 1.875 | 1.062 | 1 | 1.750 | .437 | BCFKF | | PS-605 |
| D | 1.875 | 1.062 | 3 | 1.750 | .437 | BCFKF | | PS-254 |
| D | 1.875 | 1.062 | 3 | 1.750 | .437 | BCFJF | | PS-802 |
| D | 1.875 | 1.062 | 3 | 1.750 | .437 | VCFKF | | PS-605V |
| E | 1.625 | 1.187 | 3 | 1.750 | .437 | BCFKF | | PS-253 |
| E | 1.625 | 1.625 | 1 | 1.687 | .437 | BCFJF | | PS-607 |
| E | 1.625 | 1.625 | 1 | 1.687 | .437 | BCFKF | | PS-7726 |
| E | 1.625 | 1.625 | 1 | 1.750 | .437 | BCFJF | | PS-204 |
| E | 1.625 | 1.625 | 1 | 1.750 | .437 | BCFKF | | PS-384 |
| E | 1.625 | 1.625 | 3 | 1.750 | .437 | VCFJF | | PS-204V |
| E | 1.625 | 1.625 | 3 | 1.750 | .437 | BCFJF | E | PS-866 |
| E | 1.625 | 1.625 | 3 | 1.750 | .437 | BCFKF | E | PS-867 |
| E | 1.625 | 1.625 | 1 | 1.750 | .437 | QCFKF | | PS-867-EPR |
| E | 1.625 | 1.625 | 3 | 1.750 | .437 | VCFKF | E | PS-867V |
| E | 1.625 | 1.625 | 3 | 1.812 | .437 | BCFJF | | PS-1172 |
| E | 1.625 | 1.625 | 3 | 1.812 | .437 | VCFJF | | PS-1172V |

WHEN SEAL IDENTIFICATION IS DOUBTFUL, SEND SAMPLE ALONG WITH APPLICATION INFORMATION AND ALL PUMP NAMEPLATE DATA.

NOTE: B. TAPERED SPRING
E. LOCK COLLAR SOLD SEPARATELY
I. ABRASION RESISTANT CARBON (P66)



DIMENSIONAL CROSS-REFERENCE BY SHAFT SIZE

| Fig. | SEAL HEAD | | SEAT | | | Material Code | NOTES | U.S. SEAL Part No. |
|---|-----------|----------|------|-------|--------|---------------|-------|--------------------|
| | O.D. | Oper.Ht. | Fig. | O.D. | Thick. | | | |
| 1.125 (1-1/8") SHAFT (continued) | | | | | | | | |
| E | 1.625 | 1.625 | 3 | 1.812 | .437 | BCFKF | | PS-1173 |
| E | 1.625 | 1.625 | 3 | 1.812 | .437 | B/VCFJF | | PS-1636 |
| E | 1.625 | 1.625 | 3 | 1.812 | .437 | B/VCFKF | | PS-1637 |
| E | 1.625 | 1.625 | 3 | 1.812 | .437 | VCPKF | | PS-1639V |
| E | 1.625 | 1.625 | 3 | 1.812 | .437 | BCFZF | | PS-1668 |
| E | 1.625 | 1.625 | 1 | 1.875 | .437 | BCFKF | | PS-1067 |
| E | 1.625 | 2.000 | 3 | 1.812 | .437 | BCFJF | | PS-619 |
| K | 1.812 | 1.625 | 1 | 1.750 | .437 | BCFJF | | PS-1176 |
| K | 1.812 | 1.625 | 1 | 1.750 | .437 | BCFKF | | PS-1177 |
| T | 1.625 | 2.375 | 3 | 1.750 | .437 | BCFJF | | PS-886 |
| T | 1.625 | 2.375 | 3 | 1.750 | .437 | BCFJF | | PS-918 |
| T | 1.625 | 2.375 | 3 | 1.812 | .437 | BCFJF | | PS-1178 |
| U | 1.625 | 1.688 | 3 | 1.750 | .437 | BCFKF | | PS-282 |
| 1.181 (30MM) SHAFT | | | | | | | | |
| D | 2.000 | 1.062 | 1 | 1.875 | .437 | BCDJF | H | PS-136 |
| D | 2.000 | 1.062 | 1 | 1.875 | .437 | BCDKF | H | PS-1179 |
| 1.187 (1-3/16") SHAFT | | | | | | | | |
| C | 1.937 | 1.062 | 1 | 1.875 | .437 | BCFKF | | PS-2162 |
| C | 1.937 | 1.062 | 28 | 2.834 | .500 | BCFKF | | PS-1044 |
| D | 2.062 | 1.000 | 1 | 1.875 | .437 | NCPJP | | PS-297 |
| E | 1.812 | 1.187 | 3 | 1.875 | .437 | BCDKF | | PS-255 |
| E | 1.812 | 1.187 | 1 | 1.875 | .437 | BCDJF | | PS-306 |
| E | 1.812 | 1.187 | 3 | 1.875 | .437 | VCFJF | | PS-306V |
| E | 1.812 | 1.187 | 1 | 1.875 | .437 | BCDKF | | PS-1180 |
| E | 1.812 | 1.625 | 1 | 1.875 | .437 | BCDJF | | PS-310 |
| E | 1.812 | 1.625 | 1 | 1.875 | .437 | BCDKF | | PS-343 |
| T | 1.812 | 2.375 | 1 | 1.875 | .437 | BCDJF | | PS-723 |
| T | 1.812 | 2.375 | 1 | 1.875 | .437 | BCDKF | | PS-724 |
| 1.250 (1-1/4") SHAFT | | | | | | | | |
| C | 1.937 | 1.062 | --- | --- | --- | BCF-F | | PS-154 |
| C | 1.937 | 1.062 | --- | --- | --- | VCF-F | | PS-154V |
| C | 1.937 | 1.062 | 1 | 1.750 | .365 | BCFJF | B | PS-978 |
| C | 1.937 | 1.062 | 1 | 1.750 | .365 | VCFJF | B | PS-978V |
| C | 1.937 | 1.062 | 1 | 1.750 | .365 | BCFKF | B | PS-979 |
| C | 1.937 | 1.062 | 1 | 1.750 | .365 | QCFKF | B | PS-979-EPR |
| C | 1.937 | 1.062 | 1 | 1.750 | .365 | QCFZF | B | PS-978-EPR-TC |
| C | 1.937 | 1.062 | 1 | 1.750 | .365 | VCFKF | B | PS-979V |
| C | 1.937 | 1.062 | 1 | 1.875 | .437 | BCFJF | | PS-185 |
| C | 1.937 | 1.062 | 1 | 1.875 | .437 | QCFJF | | PS-185-EPR |
| C | 1.937 | 1.062 | 1 | 1.875 | .437 | BZFZF | | PS-185-TC-TC |
| C | 1.937 | 1.062 | 3 | 1.875 | .437 | VCFJF | | PS-185V |
| C | 1.937 | 1.062 | 1 | 1.875 | .437 | VCFJF | | PS-185V-CMS |
| C | 1.937 | 1.062 | 1 | 1.875 | .437 | BCFJF | B | PS-246 |
| C | 1.937 | 1.062 | 3 | 1.875 | .437 | VCFJF | B | PS-246V |
| C | 1.937 | 1.062 | 1 | 1.875 | .437 | BCFKF | B | PS-249 |
| C | 1.937 | 1.062 | 3 | 1.875 | .437 | VCFKF | B | PS-249V |
| C | 1.937 | 1.062 | 3 | 1.875 | .437 | BCFKF | B | PS-525 |
| C | 1.937 | 1.062 | 3 | 1.875 | .437 | BCFKF | | PS-598 |
| C | 1.937 | 1.062 | 3 | 1.875 | .437 | QCFKF | | PS-598-EPR |

NOTE: B. TAPERED SPRING
H. SPRING HOLDER NOT INCLUDED

WHEN SEAL IDENTIFICATION IS DOUBTFUL, SEND SAMPLE ALONG WITH APPLICATION INFORMATION AND ALL PUMP NAMEPLATE DATA.



DIMENSIONAL CROSS-REFERENCE BY SHAFT SIZE

| SEAL HEAD | | | SEAT | | | Material Code | NOTES | U.S. SEAL Part No. |
|---|-------|----------|------|-------|--------|---------------|-------|--------------------|
| Fig. | O.D. | Oper.Ht. | Fig. | O.D. | Thick. | | | |
| 1.250 (1-1/4") SHAFT (continued) | | | | | | | | |
| C | 1.937 | 1.062 | 3 | 1.875 | .437 | BCFZF | | PS-598-TC-SEAT |
| C | 1.937 | 1.062 | 3 | 1.875 | .437 | BCFJF | | PS-618 |
| C | 1.937 | 1.062 | 1 | 1.875 | .437 | BCFKF | | PS-756 |
| C | 1.937 | 1.062 | 1 | 1.875 | .437 | QCCKF | | PS-756-EPR |
| C | 1.937 | 1.062 | 1 | 1.875 | .437 | VCFKF | | PS-756V-CMS |
| C | 1.937 | 1.062 | 3 | 1.875 | .437 | B/VCFKF | F | PS-1053 |
| C | 1.937 | 1.062 | 1 | 1.875 | .437 | NCFJF | | PS-1081 |
| C | 1.937 | 1.062 | 1 | 1.875 | .437 | NCFKF | | PS-1082 |
| C | 1.937 | 1.062 | 3 | 1.875 | .437 | QCCKF | I | PS-2203 |
| C | 1.937 | 1.062 | 1 | 1.875 | .437 | BZFZF | | PS-2208 |
| C | 1.937 | 1.062 | 1 | 2.000 | .437 | BCFJF | | PS-466 |
| C | 1.937 | 1.062 | 1 | 2.000 | .437 | VCFJK | | PS-466V |
| C | 1.937 | 1.062 | 1 | 2.000 | .437 | VCFJF | | PS-466V-CMS |
| C | 1.937 | 1.062 | 3 | 2.000 | .437 | BCFKF | | PS-1018 |
| C | 1.937 | 1.062 | 3 | 2.000 | .437 | QCCKF | | PS-1018-EPR |
| C | 1.937 | 1.062 | 3 | 2.000 | .437 | BCFJF | | PS-2230 |
| C | 1.937 | 1.062 | 3 | 2.000 | .437 | VCFKF | | PS-2200 |
| C | 1.937 | 1.062 | 28 | 2.835 | .660 | BCFKF | | PS-1036 |
| C | 1.937 | 1.062 | 28 | 2.835 | .660 | VCFKF | | PS-1036V |
| C | 1.937 | 1.062 | 3 | 1.875 | .437 | VCFKF | | PS-756V |
| C | 1.937 | 1.250 | 25 | 2.250 | .625 | BCFJF | B | PS-923 |
| C | 1.937 | 1.625 | 1 | 1.875 | .437 | NCFJF | | PS-1083 |
| C | 1.937 | 1.625 | 1 | 1.875 | .437 | NCFKF | | PS-1084 |
| C | 1.937 | 1.625 | 3 | 1.875 | .437 | BCFKF | | PS-1109 |
| C | 1.937 | 1.625 | 3 | 1.875 | .437 | QCCKF | | PS-1109-EPR |
| C | 1.937 | 1.625 | 3 | 1.875 | .437 | VCFKF | | PS-1109V |
| C | 1.937 | 1.625 | 1 | 1.875 | .437 | BCFJF | | PS-2122 |
| C | 1.937 | 1.625 | 1 | 1.875 | .437 | BCFKF | | PS-2123 |
| C | 1.937 | 1.625 | 1 | 1.875 | .437 | QCCKF | | PS-2215 |
| D | 2.000 | 1.000 | 3 | 1.875 | .375 | NCPKF | H | PS-1632 |
| D | 2.000 | 1.000 | 3 | 1.937 | .437 | BCFKF | | PS-326 |
| D | 2.000 | 1.031 | 3 | 1.875 | .437 | NCPKF | H | PS-1128 |
| D | 2.000 | 1.062 | 1 | 1.750 | .365 | BCFJF | H | PS-976 |
| D | 2.000 | 1.062 | 1 | 1.750 | .365 | BCFKF | H | PS-977 |
| D | 2.000 | 1.062 | 1 | 1.875 | .437 | BCFJF | | PS-381 |
| D | 2.000 | 1.062 | 1 | 1.875 | .437 | BCFKF | | PS-383 |
| D | 2.000 | 1.062 | 3 | 1.875 | .437 | VCFJF | | PS-381V |
| D | 2.000 | 1.062 | 3 | 1.875 | .437 | VCFKF | | PS-383V |
| D | 2.000 | 1.062 | 3 | 1.875 | .437 | BCFKF | | PS-517 |
| D | 2.000 | 1.062 | 3 | 1.875 | .437 | VCFJF | | PS-804 |
| D | 2.000 | 1.062 | 3 | 1.875 | .437 | VCFKF | | PS-981 |
| D | 2.000 | 1.062 | 1 | 2.000 | .437 | BCFJF | | PS-510 |
| D | 2.000 | 1.062 | --- | --- | --- | BCF-F | H | PS-416 |
| D | 2.000 | 1.062 | 25 | 2.250 | .625 | BCFJF | H | PS-416A |
| E | 1.812 | 1.187 | 3 | 1.875 | .437 | BCFKF | | PS-256 |
| E | 1.812 | 1.542 | 1 | 1.875 | .437 | NCPKP | | PS-108 |
| E | 1.812 | 1.542 | 1 | 1.875 | .437 | NCPJP | | PS-1185 |
| E | 1.812 | 1.625 | --- | --- | --- | BCF-F | | PS-1015 |
| E | 1.812 | 1.625 | 1 | 1.875 | .437 | BCFKF | | PS-137 |
| E | 1.812 | 1.625 | 3 | 1.875 | .437 | VCFKF | | PS-137V |

WHEN SEAL IDENTIFICATION IS DOUBTFUL, SEND SAMPLE ALONG WITH APPLICATION INFORMATION AND ALL PUMP NAMEPLATE DATA.

NOTE: B. TAPERED SPRING
 F. SEAT IS SLOTTED
 H. SPRING HOLDER NOT INCLUDED
 I. ABRASION RESISTANT CARBON (P66)



DIMENSIONAL CROSS-REFERENCE BY SHAFT SIZE

| SEAL HEAD | | | SEAT | | | Material Code | NOTES | U.S. SEAL Part No. |
|---|-------|----------|------|-------|--------|---------------|-------|--------------------|
| Fig. | O.D. | Oper.Ht. | Fig. | O.D. | Thick. | | | |
| 1.250 (1-1/4") SHAFT (continued) | | | | | | | | |
| E | 1.812 | 1.625 | 1 | 1.875 | .437 | VCFKF | | PS-137V-CMS |
| E | 1.812 | 1.625 | 3 | 1.875 | .437 | VCFKF | I | PS-137V-P66 |
| E | 1.812 | 1.625 | 3 | 1.875 | .437 | BCFKF | | PS-264 |
| E | 1.812 | 1.625 | 1 | 1.875 | .437 | BCFJF | | PS-361 |
| E | 1.812 | 1.625 | 3 | 1.875 | .437 | VCFJF | | PS-361V |
| E | 1.812 | 1.625 | 1 | 1.875 | .437 | VCFJF | | PS-361V-CMS |
| E | 1.812 | 1.625 | 3 | 1.875 | .437 | BCFJF | | PS-546 |
| E | 1.812 | 1.625 | 1 | 2.000 | .437 | BCFKF | | PS-1186 |
| E | 1.812 | 2.281 | 3 | 1.875 | .437 | BCFJF | | PS-2128 |
| E | 1.812 | 2.281 | 3 | 1.875 | .437 | BCFKF | | PS-2129 |
| K | 1.937 | 1.625 | --- | --- | --- | BCF-F | | PS-169 |
| K | 1.937 | 1.625 | 1 | 1.875 | .437 | BC/HFJF | | PS-1118 |
| K | 1.937 | 1.625 | 3 | 1.875 | .437 | BCFKF | | PS-228 |
| K | 1.937 | 1.625 | 3 | 1.875 | .437 | VCFKF | | PS-228V |
| K | 1.937 | 1.750 | 1 | 1.875 | .437 | BZFFZ/BCFJF | | PS-7323 |
| K | 1.937 | 1.875 | 1 | 1.875 | .437 | BCFJF | | PS-883 |
| K | 1.937 | 1.875 | 1 | 1.875 | .437 | BCFKF | | PS-890 |
| K | 1.937 | 2.000 | 3 | 2.125 | .375 | BCFJ/KF | | PS-1623 |
| S | 2.296 | 2.218 | 8 | 2.125 | .281 | NAPSP | | PS-794 |
| T | 1.812 | 2.375 | 1 | 1.875 | .437 | BCFJF | | PS-1187 |
| T | 1.812 | 2.375 | 3 | 1.875 | .437 | NCPKF | | PS-308 |
| T | 1.812 | 2.375 | 3 | 1.875 | .437 | BCFJF | | PS-2211 |
| U | 1.812 | 1.625 | 3 | 1.875 | .437 | BCF/DKF | | PS-394 |
| U | 1.812 | 2.406 | 1 | 1.875 | .437 | BCF/DJF | | PS-681 |
| 1.375 (1-3/8") SHAFT | | | | | | | | |
| C | 2.062 | .900 | 25 | 2.000 | .500 | BCFJF | | PS-929 |
| C | 2.062 | 1.125 | --- | --- | --- | BCF-F | | PS-172 |
| C | 2.062 | 1.125 | 1 | 2.000 | .437 | BCFJF | | PS-177 |
| C | 2.062 | 1.125 | 3 | 2.000 | .437 | VCFJF | | PS-177V |
| C | 2.062 | 1.125 | 1 | 2.000 | .437 | VCFJF | | PS-177V-CMS |
| C | 2.062 | 1.125 | 1 | 2.000 | .437 | BCFKF | | PS-210 |
| C | 2.062 | 1.125 | 3 | 2.000 | .437 | QCFKF | | PS-210-EPR |
| C | 2.062 | 1.125 | 3 | 2.000 | .437 | VCFKF | | PS-210V |
| C | 2.062 | 1.125 | 1 | 2.000 | .437 | VCFKF | | PS-210V-CMS |
| C | 2.062 | 1.125 | 3 | 2.000 | .437 | BCFKF | | PS-547 |
| C | 2.062 | 1.125 | 3 | 2.000 | .437 | BCFJF | | PS-805 |
| C | 2.062 | 1.156 | 3 | 2.125 | .406 | VCFGF | | PS-1062 |
| C | 2.062 | 1.187 | 1 | 2.125 | .437 | BCFKF | | PS-467 |
| C | 2.062 | 1.687 | 1 | 2.000 | .437 | BCFKF | | PS-1667 |
| C | 2.062 | 1.687 | 1 | 2.000 | .437 | VCFKF | | PS-1667V |
| C | 2.062 | 1.687 | 1 | 2.000 | .437 | BCFJF | | PS-2134 |
| C Balanced | 2.062 | 1.437 | 3 | 1.875 | .437 | VCFKF | | PS-7695 |
| C Balanced | 2.062 | 1.437 | 3 | 1.875 | .437 | BCFJF | | PS-7697 |
| C Balanced | 2.062 | 1.437 | 3 | 1.875 | .437 | BCFKF | | PS-7795 |
| D | 2.187 | 1.093 | 25 | 2.000 | .500 | BCDJF | | PS-404 |
| D | 2.187 | 1.125 | --- | --- | --- | BCD-F | | PS-376 |
| D | 2.187 | 1.125 | --- | --- | --- | VCD-F | | PS-376V |
| D | 2.187 | 1.125 | 1 | 2.000 | .437 | BCDKF | | PS-186 |
| D | 2.187 | 1.125 | 3 | 2.000 | .437 | VCDKF | | PS-186V |

NOTE: I. ABRASION RESISTANT CARBON (P66)

WHEN SEAL IDENTIFICATION IS DOUBTFUL, SEND SAMPLE ALONG WITH APPLICATION INFORMATION AND ALL PUMP NAMEPLATE DATA.



DIMENSIONAL CROSS-REFERENCE BY SHAFT SIZE

| SEAL HEAD | | | SEAT | | | Material Code | NOTES | U.S. SEAL Part No. |
|---|-------|----------|------|-------|--------|---------------|-------|--------------------|
| Fig. | O.D. | Oper.Ht. | Fig. | O.D. | Thick. | | | |
| 1.375 (1-3/8") SHAFT (continued) | | | | | | | | |
| D | 2.187 | 1.125 | 1 | 2.000 | .437 | BCDJF | | PS-491 |
| D | 2.187 | 1.125 | 3 | 2.000 | .437 | VCDJF | | PS-491V |
| D | 2.187 | 1.125 | 3 | 2.000 | .437 | BCDJF | | PS-806 |
| D | 2.187 | 1.125 | 3 | 2.000 | .437 | BCDKF | | PS-807 |
| D | 2.187 | 1.125 | 1 | 2.000 | .437 | BCFJF | | PS-2045 |
| D | 2.187 | 1.125 | 1 | 2.000 | .437 | BCFKF | | PS-2046 |
| D | 2.187 | 1.125 | 3 | 2.000 | .437 | BCFJF | | PS-2047 |
| D | 2.187 | 1.125 | 3 | 2.000 | .437 | BCFKF | | PS-2048 |
| E | 1.875 | 1.187 | 3 | 2.000 | .437 | BCFKF | | PS-257 |
| E | 1.875 | 1.187 | 3 | 2.000 | .437 | VCFKF | | PS-257V |
| E | 1.875 | 1.687 | 1 | 2.000 | .437 | BCFJF | | PS-354 |
| E | 1.875 | 1.687 | 3 | 2.000 | .437 | VCFJF | | PS-354V |
| E | 1.875 | 1.687 | 1 | 2.000 | .437 | BCFKF | | PS-677 |
| E | 1.875 | 1.687 | 3 | 2.000 | .437 | VCFKF | | PS-677V |
| E | 1.875 | 1.687 | 3 | 2.000 | .437 | BCFKF | | PS-809 |
| E | 1.875 | 1.687 | 3 | 2.000 | .437 | BCFJF | E | PS-864 |
| E | 1.875 | 1.687 | 3 | 2.000 | .437 | VCFKF | E | PS-864V |
| E | 1.875 | 1.687 | 3 | 2.000 | .437 | BCFKF | E | PS-865 |
| E | 1.875 | 1.687 | 1 | 2.000 | .437 | BCFJF | H | PS-2049 |
| E | 1.875 | 1.687 | 1 | 2.000 | .437 | VCFJF | | PS-2049V-CMS |
| E Balanced | 1.875 | 2.000 | 3 | 1.875 | .437 | BCFJF | | PS-7702 |
| J | 2.125 | 1.187 | 1 | 2.125 | .375 | BCFJF | | PS-291 |
| K | 2.062 | 1.625 | --- | --- | --- | BCF-F | | PS-209 |
| K | 2.062 | 1.625 | 1 | 2.000 | .437 | BCFJF | | PS-495 |
| R | 2.187 | 2.187 | 1 | 2.000 | .437 | BCDJF | | PS-178 |
| T | 1.875 | 2.437 | 1 | 2.000 | .437 | BCFJF | | PS-725 |
| T | 1.875 | 2.437 | 1 | 2.000 | .437 | BCFKF | | PS-726 |
| U | 1.875 | 2.125 | 1 | 2.000 | .437 | BCFKF | | PS-561SS |
| U | 1.875 | 2.125 | 3 | 2.000 | .437 | VCFKF | | PS-561V |
| V | 1.937 | 1.937 | 25 | 2.140 | .437 | BCFJF | | PS-1104 |
| 1.437 (1-7/16") SHAFT | | | | | | | | |
| C | 2.125 | 1.125 | 3 | 2.250 | .625 | BCFKF | | PS-2156 |
| C | 2.125 | 1.250 | 3 | 2.250 | .375 | BCFKF | | PS-7105 |
| E | 1.937 | 1.250 | 3 | 2.250 | .375 | BCPKP | | PS-1634 |
| E | 1.937 | 1.688 | 2 | 2.062 | .437 | BCFKF | | PS-2234 |
| E | 1.937 | 1.688 | 2 | 2.062 | .437 | VCFKF | | PS-334V |
| E | 1.937 | 1.688 | 3 | 2.062 | .437 | BCFJF | | PS-705 |
| E | 2.110 | 1.516 | 3 | 2.312 | .360 | NCPGP | | PS-943 |
| E | 2.110 | 1.516 | 3 | 2.312 | .360 | VCPGP | | PS-943V |
| 1.500 (1-1/2") SHAFT | | | | | | | | |
| C | 2.187 | 1.125 | --- | --- | --- | BCF-F | | PS-2105 |
| C | 2.187 | 1.125 | 1 | 2.125 | .437 | BCFJF | B/H | PS-347 |
| C | 2.187 | 1.125 | 1 | 2.125 | .437 | VCFJF | B/H | PS-347V-CMS |
| C | 2.187 | 1.125 | 1 | 2.125 | .437 | BCFKF | B/H | PS-378 |
| C | 2.187 | 1.125 | 1 | 2.125 | .437 | VCFKF | B/H | PS-378V-CMS |
| C | 2.187 | 1.125 | 3 | 2.125 | .437 | BCFKF | | PS-553 |
| C | 2.187 | 1.125 | 1 | 2.125 | .437 | BCFKF | | PS-659 |
| C | 2.187 | 1.125 | 1 | 2.125 | .437 | BCFJF | | PS-758 |

WHEN SEAL IDENTIFICATION IS DOUBTFUL, SEND SAMPLE ALONG WITH APPLICATION INFORMATION AND ALL PUMP NAMEPLATE DATA.

NOTE: B. TAPERED SPRING
E. LOCK COLLAR SOLD SEPARATELY
H. SPRING HOLDER NOT INCLUDED



DIMENSIONAL CROSS-REFERENCE BY SHAFT SIZE

| SEAL HEAD | | | SEAT | | | Material Code | NOTES | U.S. SEAL Part No. |
|---|-------|----------|------|-------|--------|---------------|--------|--------------------|
| Fig. | O.D. | Oper.Ht. | Fig. | O.D. | Thick. | | | |
| 1.500 (1-1/2") SHAFT (continued) | | | | | | | | |
| C | 2.187 | 1.125 | 1 | 2.125 | .437 | QCFJF | | PS-758-EPR |
| C | 2.187 | 1.125 | 1 | 2.125 | .437 | BZFZF | | PS-2209 |
| C | 2.187 | 1.125 | 1 | 2.125 | .437 | BCFJF | | PS-2218 |
| C | 2.187 | 1.125 | 1 | 2.125 | .437 | VCFJF | | PS-7509 |
| C | 2.187 | 1.125 | 1 | 2.125 | .437 | VCFJF | | PS-758V-CMS |
| C | 2.187 | 1.125 | 3 | 2.125 | .437 | VCFJF | | PS-758V |
| C | 2.187 | 1.125 | 3 | 2.125 | .437 | VCFKF | | PS-659V |
| C | 2.187 | 1.125 | 1 | 2.125 | .437 | VCFKF | | PS-659V-CMS |
| C | 2.187 | 1.125 | 3 | 2.125 | .437 | BCFJF | | PS-816 |
| C | 2.187 | 1.125 | 3 | 2.125 | .437 | BZFZF | | PS-2217 |
| C | 2.187 | 1.125 | 3 | 2.125 | .437 | VCFZF | | PS-2223 |
| C | 2.187 | 1.125 | 1 | 2.125 | .437 | VCFJF | 316 SS | PS-7409 |
| C | 2.187 | 1.125 | 1 | 2.156 | .437 | BCFKF | B/H | PS-247 |
| C | 2.187 | 1.125 | 1 | 2.156 | .437 | BCFJF | B/H | PS-682 |
| C | 2.187 | 1.125 | 1 | 2.125 | .437 | BCFKF | | PS-1646 |
| C | 2.187 | 1.125 | 1 | 2.250 | .437 | BCFJF | | PS-320 |
| C | 2.187 | 1.125 | 3 | 2.312 | .437 | BCFJF | | PS-926 |
| C | 2.187 | 1.437 | 3 | 2.125 | .437 | NCFGP | | PS-192 |
| C | 2.187 | 1.687 | 3 | 2.125 | .437 | BCFKF | | PS-1110 |
| C | 2.187 | 1.687 | 3 | 2.125 | .437 | VCFKF | | PS-1110V |
| C | 2.187 | 1.687 | 3 | 2.125 | .437 | QCFKF | H | PS-2221 |
| D | 2.312 | 1.125 | --- | --- | --- | BCF-F | | PS-939 |
| D | 2.312 | 1.125 | 1 | 2.125 | .437 | BCFJF | | PS-382 |
| D | 2.312 | 1.125 | 1 | 2.156 | .437 | BCFJF | | PS-283 |
| D | 2.312 | 1.125 | 1 | 2.125 | .437 | BCFKF | | PS-371 |
| D | 2.312 | 1.125 | 3 | 2.125 | .437 | VCFKF | | PS-371V |
| D | 2.312 | 1.125 | 1 | 2.125 | .437 | VCFKF | | PS-371V-CMS |
| D | 2.312 | 1.125 | 3 | 2.125 | .437 | BCFJF | | PS-817 |
| D | 2.312 | 1.125 | 3 | 2.125 | .437 | BCFKF | H | PS-534 |
| D | 2.375 | 1.000 | 3 | 2.187 | .437 | NCPGP | | PS-599 |
| D | 2.375 | 1.125 | 28 | 2.375 | .618 | VZFZF | | PS-7079 |
| E | 2.000 | 1.187 | 3 | 2.125 | .437 | BCFKF | | PS-259 |
| E | 2.000 | 1.688 | --- | --- | --- | BCF-F | | PS-2106 |
| E | 2.000 | 1.688 | 3 | 2.000 | .437 | BCFJF | | PS-314 |
| E | 2.000 | 1.688 | 3 | 2.000 | .437 | BCFKF | | PS-316 |
| E | 2.000 | 1.688 | 1 | 2.125 | .437 | BCFJF | | PS-305 |
| E | 2.000 | 1.688 | 1 | 2.125 | .437 | QCFJF | | PS-305-EPR |
| E | 2.000 | 1.688 | 1 | 2.125 | .437 | BCFKF | H | PS-374 |
| E | 2.000 | 1.688 | 3 | 2.125 | .437 | VCFKF | | PS-374V |
| E | 2.000 | 1.688 | 3 | 2.125 | .437 | VCFJF | | PS-305V |
| E | 2.000 | 1.688 | 3 | 2.125 | .437 | NCFKF | | PS-224 |
| E | 2.000 | 1.688 | 3 | 2.125 | .437 | BCFKF | | PS-258 |
| E | 2.000 | 1.688 | 3 | 2.125 | .437 | BCFJF | | PS-395 |
| E | 2.000 | 1.688 | 1 | 2.156 | .437 | BCFKF | | PS-2137 |
| E | 2.000 | 1.688 | 3 | 2.125 | .500 | VCFZF | | PS-1646 |
| E | 2.000 | 1.688 | 3 | 2.250 | .437 | BCFJF | | PS-515 |
| E | 2.000 | 1.688 | 1 | 2.250 | .437 | BCFJF | | PS-2117 |
| E | 2.000 | 1.688 | 3 | 2.312 | .437 | B/VCFJF | | PS-1647 |
| E | 2.000 | 1.688 | 3 | 2.312 | .437 | B/VCFKF | | PS-1648 |

NOTE: B. TAPERED SPRING
H. SPRING HOLDER NOT INCLUDED

WHEN SEAL IDENTIFICATION IS DOUBTFUL, SEND SAMPLE ALONG WITH APPLICATION INFORMATION AND ALL PUMP NAMEPLATE DATA.



DIMENSIONAL CROSS-REFERENCE BY SHAFT SIZE

| SEAL HEAD | | | SEAT | | | Material Code | NOTES | U.S. SEAL Part No. |
|---|-------|----------|------|-------|--------|---------------|-------|--------------------|
| Fig. | O.D. | Oper.Ht. | Fig. | O.D. | Thick. | | | |
| 1.500 (1-1/2") SHAFT (continued) | | | | | | | | |
| E | 2.000 | 1.688 | 3 | 2.312 | .437 | VCFJF | | PS-1651 |
| E | 2.000 | 1.688 | 3 | 2.312 | .437 | VCFKF | | PS-1652 |
| E | 2.000 | 2.062 | 3 | 2.312 | .437 | BCFJF | | PS-620 |
| E | 2.000 | 2.062 | 3 | 2.312 | .437 | BCFKF | | PS-629 |
| E | 2.000 | 2.062 | 3 | 2.312 | .437 | VCFJF | | PS-1690 |
| E | 2.000 | 2.062 | 3 | 2.312 | .437 | VCFKF | | PS-1691 |
| E | 2.000 | 2.062 | 3 | 2.312 | .437 | VCFZF | | PS-1692 |
| K | 2.187 | 1.625 | --- | --- | --- | BCF-F | | PS-216 |
| K | 2.187 | 1.625 | 1 | 2.125 | .437 | BCFJF | | PS-541 |
| K | 2.187 | 1.625 | 1 | 2.125 | .437 | BCFKF | | PS-884 |
| R | 2.312 | 1.875 | 1 | 2.125 | .437 | BCFJF | | PS-431 |
| R | 2.312 | 1.875 | 1 | 2.125 | .437 | BCFKF | | PS-432 |
| T | 2.000 | 2.437 | 1 | 2.125 | .437 | BCFJF | | PS-868 |
| 1.562 (1-9/16") SHAFT | | | | | | | | |
| E | 2.250 | 1.688 | 3 | 2.375 | .500 | BCDJF | | PS-664 |
| E | 2.250 | 1.688 | 3 | 2.375 | .500 | BCDKF | | PS-1193 |
| E | 2.250 | 1.688 | 1 | 2.375 | .500 | BCDKF | | PS-1194 |
| 1.625 (1-5/8") SHAFT | | | | | | | | |
| C | 2.500 | 1.312 | 25 | 2.500 | .812 | VCFJF | | PS-7497 |
| C | 2.500 | 1.375 | --- | --- | --- | BCF-F | | PS-2107 |
| C | 2.500 | 1.375 | 1 | 2.375 | .500 | BCFJF | | PS-238 |
| C | 2.500 | 1.375 | 3 | 2.375 | .500 | VCFJF | | PS-238V |
| C | 2.500 | 1.375 | 1 | 2.375 | .500 | VCFJF | | PS-238V-CMS |
| C | 2.500 | 1.375 | 1 | 2.375 | .500 | BCFKF | | PS-239 |
| C | 2.500 | 1.375 | 3 | 2.375 | .500 | VCFKF | | PS-239V |
| C | 2.500 | 1.375 | 1 | 2.375 | .500 | VCFKF | | PS-239V-CMS |
| C | 2.500 | 1.375 | 3 | 2.375 | .500 | QCFKF | | PS-239-EPR |
| C | 2.500 | 1.375 | 3 | 2.375 | .500 | BCFKF | | PS-544 |
| C | 2.500 | 1.375 | 3 | 2.375 | .500 | BCFJF | | PS-818 |
| C | 2.500 | 1.375 | 3 | 2.625 | .500 | BCFKF | | PS-1019 |
| C | 2.500 | 1.375 | 3 | 2.625 | .500 | QCFKF | I | PS-2201 |
| C | 2.500 | 1.375 | 3 | 2.625 | .500 | BCFJF | | PS-2202 |
| C | 2.500 | 1.375 | 28 | 3.544 | 1.250 | BCFKF | | PS-1035 |
| C | 2.500 | 1.375 | 28 | 3.544 | 1.250 | VCFKF | | PS-1039 |
| D | 2.718 | 1.125 | 3 | 2.437 | .500 | NFPGP | | PS-331 |
| D | 2.718 | 1.375 | 1 | 2.375 | .500 | BCDKF | | PS-461 |
| D | 2.718 | 1.375 | 3 | 2.375 | .500 | VCDKF | | PS-461V |
| D | 2.718 | 1.375 | 1 | 2.375 | .500 | BCDJF | | PS-514 |
| D | 2.718 | 1.375 | 3 | 2.375 | .500 | VCDJF | | PS-514V |
| D | 2.718 | 1.375 | 3 | 2.375 | .500 | BCDKF | | PS-819 |
| D | 2.718 | 1.375 | 3 | 2.375 | .500 | BCDJF | | PS-821 |
| D | 2.718 | 1.375 | 3 | 2.375 | .500 | BCFKF | | PS-1697 |
| D | 2.718 | 1.375 | 3 | 2.375 | .500 | BCFJF | | PS-1698 |
| D | 2.718 | 1.375 | 1 | 2.375 | .500 | BCFJF | | PS-2055 |
| D | 2.718 | 1.375 | 1 | 2.375 | .500 | BCFKF | | PS-2056 |
| E | 2.250 | 2.000 | 1 | 2.312 | .500 | BCEJF | | PS-346 |
| E | 2.250 | 2.000 | 1 | 2.312 | .500 | BCDKF | | PS-484 |
| E | 2.250 | 2.000 | 1 | 2.312 | .500 | BCDJF | | PS-609 |
| E | 2.250 | 2.000 | 1 | 2.312 | .500 | VCDJF | | PS-609V |

WHEN SEAL IDENTIFICATION IS DOUBTFUL, SEND SAMPLE ALONG WITH APPLICATION INFORMATION AND ALL PUMP NAMEPLATE DATA.

NOTE: I. ABRASION RESISTANT CARBON (P66)



DIMENSIONAL CROSS-REFERENCE BY SHAFT SIZE

| SEAL HEAD | | | SEAT | | | Material Code | NOTES | U.S. SEAL Part No. |
|---|-------|----------|------|-------|--------|---------------|-------|--------------------|
| Fig. | O.D. | Oper.Ht. | Fig. | O.D. | Thick. | | | |
| 1.625 (1-5/8") SHAFT (continued) | | | | | | | | |
| E | 2.250 | 2.000 | 1 | 2.312 | .500 | BCPKF | | PS-610 |
| E | 2.250 | 2.000 | 1 | 2.312 | .500 | VCPKF | | PS-610V |
| E | 2.250 | 2.000 | 1 | 2.375 | .500 | BCFJF | | PS-2057 |
| E | 2.250 | 2.000 | 1 | 2.375 | .500 | BCFKF | | PS-2058 |
| E | 2.250 | 2.000 | 1 | 2.375 | .500 | BCDKF | | PS-744 |
| E | 2.250 | 2.000 | 1 | 2.375 | .500 | BCDJF | | PS-745 |
| E | 2.250 | 2.000 | 1 | 2.375 | .500 | VCDJF | | PS-745V-CMS |
| E | 2.250 | 2.000 | 3 | 2.375 | .500 | VCDKF | | PS-744V |
| E | 2.250 | 2.000 | 3 | 2.375 | .500 | VCDJF | | PS-745V |
| E | 2.250 | 2.000 | 3 | 2.375 | .500 | BCDJF | | PS-595 |
| E | 2.250 | 2.000 | 3 | 2.375 | .500 | BCDKF | | PS-822 |
| E | 2.250 | 2.000 | 3 | 2.375 | .500 | BCFJF | | PS-1683 |
| E | 2.250 | 2.000 | 3 | 2.375 | .500 | BCFKF | | PS-1699 |
| K | 2.500 | 2.125 | 1 | 2.375 | .500 | BCFJF | | PS-1195 |
| R | 2.718 | 2.125 | 3 | 2.375 | .500 | BCDKF | | PS-281 |
| R | 2.718 | 2.125 | 1 | 2.375 | .500 | BCDKF | | PS-281-CMS |
| U | 2.250 | 2.093 | 3 | 2.375 | .500 | BCDKF | | PS-458 |
| 1.750 (1-3/4") SHAFT | | | | | | | | |
| C | 2.625 | 1.125 | --- | --- | --- | BCF-F | | PS-1055 |
| C | 2.625 | 1.125 | 3 | 2.500 | .500 | BCFKF | | PS-1056 |
| C | 2.625 | 1.125 | 3 | 2.500 | .500 | VCFKF | | PS-1056V |
| C | 2.625 | 1.125 | 1 | 2.500 | .500 | BCFKF | | PS-1068 |
| C | 2.625 | 1.125 | 1 | 2.500 | .500 | BCFJF | | PS-2212 |
| C | 2.625 | 1.375 | --- | --- | --- | BCF-F | | PS-2108 |
| C | 2.625 | 1.375 | 3 | 2.500 | .500 | BCFKF | | PS-436 |
| C | 2.625 | 1.375 | 3 | 2.500 | .500 | VCFKF | | PS-436V |
| C | 2.625 | 1.375 | 1 | 2.500 | .500 | BCFJF | | PS-446 |
| C | 2.625 | 1.375 | 3 | 2.500 | .500 | VCFJF | | PS-446V |
| C | 2.625 | 1.375 | 1 | 2.500 | .500 | VCFJF | | PS-446V-CMS |
| C | 2.625 | 1.375 | 1 | 2.500 | .500 | BCFKF | | PS-448 |
| C | 2.625 | 1.375 | 1 | 2.500 | .500 | BCFKF | I | PS-448-P66 |
| C | 2.625 | 1.375 | 1 | 2.500 | .500 | VCFKF | | PS-448V-CMS |
| C | 2.625 | 1.375 | 3 | 2.500 | .500 | BCFJF | | PS-550 |
| C | 2.625 | 1.375 | 1 | 2.500 | .500 | BCFZF | | PS-2210 |
| C | 2.625 | 1.375 | 3 | 2.500 | .500 | VCFZF | | PS-2207 |
| C | 2.625 | 1.375 | 3 | 2.625 | .500 | BCFJF | | PS-387 |
| C | 2.625 | 1.375 | 28 | 3.544 | 1.188 | BCFKF | | PS-1038 |
| C | 2.625 | 2.000 | 1 | 2.500 | .500 | BCFKF | | PS-1674 |
| C | 2.625 | 2.000 | 1 | 2.500 | .500 | BCFJF | | PS-2135 |
| C | 2.625 | 2.000 | 1 | 2.500 | .500 | BCFJF | | PS-2142 |
| C | 2.625 | 2.000 | 3 | 2.500 | .500 | BCFJF | | PS-2150 |
| C | 2.625 | 2.000 | 3 | 2.500 | .500 | BCFKF | | PS-2151 |
| C | 2.625 | 2.000 | 3 | 2.500 | .500 | VCFKF | | PS-2151V |
| D | 2.750 | 1.375 | --- | --- | --- | BCD-F | | PS-147 |
| D | 2.750 | 1.375 | 1 | 2.500 | .500 | BCDJF | | PS-237 |
| D | 2.750 | 1.375 | 3 | 2.500 | .500 | VCDJF | | PS-237V |
| D | 2.750 | 1.375 | 1 | 2.500 | .500 | BCDKF | | PS-288 |
| D | 2.750 | 1.375 | 3 | 2.500 | .500 | VCDKF | | PS-288V |
| D | 2.750 | 1.375 | 3 | 2.500 | .500 | BCDKF | | PS-825 |

NOTE: I. ABRASION RESISTANT CARBON (P66)

WHEN SEAL IDENTIFICATION IS DOUBTFUL, SEND SAMPLE ALONG WITH APPLICATION INFORMATION AND ALL PUMP NAMEPLATE DATA.



DIMENSIONAL CROSS-REFERENCE BY SHAFT SIZE

| SEAL HEAD | | | SEAT | | | Material Code | NOTES | U.S. SEAL Part No. |
|---|-------|----------|------|-------|--------|---------------|-------|--------------------|
| Fig. | O.D. | Oper.Ht. | Fig. | O.D. | Thick. | | | |
| 1.750 (1-3/4") SHAFT (continued) | | | | | | | | |
| D | 2.750 | 1.375 | 3 | 2.500 | .500 | BCDJF | | PS-826 |
| D | 2.750 | 1.375 | 1 | 2.500 | .500 | BCFJF | | PS-2059 |
| D | 2.750 | 1.375 | 1 | 2.500 | .500 | BCFKF | | PS-2060 |
| D | 2.750 | 1.375 | 3 | 2.500 | .500 | BCFJF | | PS-2061 |
| D | 2.750 | 1.375 | 3 | 2.500 | .500 | BCFKF | | PS-2062 |
| E | 2.375 | 1.312 | 1 | 2.625 | .500 | BCFJF | | PS-7252 |
| E | 2.375 | 2.000 | --- | --- | --- | BCF-F | | PS-2109 |
| E | 2.375 | 2.000 | 3 | 2.312 | .500 | BCFJF | | PS-1684 |
| E | 2.375 | 2.000 | 1 | 2.487 | .500 | BCFJF | | PS-317 |
| E | 2.375 | 2.000 | 1 | 2.500 | .500 | BCFJF | | PS-205 |
| E | 2.375 | 2.000 | 1 | 2.500 | .500 | BZFZF | | PS-205-TC-TC |
| E | 2.375 | 2.000 | 1 | 2.500 | .500 | BCFKF | | PS-366 |
| E | 2.375 | 2.000 | 3 | 2.500 | .500 | VCFKF | | PS-366V |
| E | 2.375 | 2.000 | 1 | 2.500 | .500 | VCFKF | | PS-366V-CMS |
| E | 2.375 | 2.000 | 3 | 2.500 | .500 | VCFJF | | PS-205V |
| E | 2.375 | 2.000 | 1 | 2.500 | .500 | VCFJF | | PS-205V-CMS |
| E | 2.375 | 2.000 | 3 | 2.500 | .500 | BCFKF | | PS-262 |
| E | 2.375 | 2.000 | 3 | 2.500 | .500 | BCFJF | | PS-535 |
| E | 2.375 | 2.000 | 3 | 2.625 | .500 | BCFJF | | PS-2130 |
| E | 2.375 | 2.000 | 27 | 3.000 | 1.000 | BCFJF | | PS-1078 |
| E Balanced | 2.375 | 2.375 | 8 | 2.187 | .437 | BCFZF | | PS-7701 |
| E Balanced | 2.375 | 2.375 | 1 | 2.375 | .500 | BCFJF | | PS-7901 |
| E Balanced | 2.375 | 2.375 | 3 | 2.375 | .500 | BCFKF | | PS-2231 |
| E Balanced | 2.375 | 2.375 | 1 | 2.375 | .500 | BCFKF | | PS-2231-CMS |
| E Balanced | 2.375 | 2.375 | 3 | 2.375 | .500 | BCFJF | | PS-7774 |
| E Balanced | 2.375 | 2.375 | 3 | 2.375 | .500 | BCFZF | | PS-7821 |
| K | 2.609 | 2.125 | 1 | 2.500 | .500 | BCFJF | | PS-449 |
| K | 2.609 | 2.125 | 3 | 2.500 | .500 | BCFJ/KF | | PS-1142 |
| K | 2.609 | 2.125 | 1 | 2.500 | .500 | BCFKF | | PS-1197 |
| R | 2.750 | 2.125 | --- | --- | --- | BCD-F | | PS-213 |
| R | 2.750 | 2.125 | 1 | 2.500 | .500 | BCDKF | | PS-217 |
| T | 2.375 | 2.750 | 3 | 2.500 | .500 | BCFJF | | PS-2144 |
| T | 2.375 | 2.875 | 1 | 2.500 | .500 | BCFJF | | PS-674 |
| T | 2.375 | 2.875 | 1 | 2.500 | .500 | BCFKF | | PS-675 |
| U | 2.375 | 2.250 | 3 | 2.375 | .500 | BCFJF | | PS-1070 |
| U | 2.375 | 2.000 | 3 | 2.500 | .500 | BCFKF | | PS-2157 |
| U | 2.375 | 2.000 | 3 | 2.500 | .500 | BCFJF | | PS-2170 |
| U | 2.375 | 2.000 | 3 | 2.500 | .500 | BCFKF | | PS-7090 |
| U | 2.375 | 2.500 | 1 | 2.500 | .500 | BCFKF | | PS-555 |
| U | 2.375 | 2.500 | 1 | 2.500 | .500 | BCFKF | | PS-555SS |
| U | 2.375 | 2.500 | 1 | 2.500 | .500 | BCFJF | | PS-1042 |
| U | 2.375 | 2.500 | 3 | 2.500 | .500 | BCFJF | | PS-519 |
| U | 2.375 | 2.500 | 3 | 2.500 | .500 | BCFKF | | PS-1199 |
| 1.771 (45MM) SHAFT | | | | | | | | |
| E | 2.500 | 2.125 | 1 | 2.625 | .500 | BCFKF | | PS-719 |
| E | 2.500 | 2.125 | 1 | 2.625 | .500 | BCFJF | | PS-722 |
| T | 2.500 | 3.000 | 1 | 2.625 | .500 | BCFJF | | PS-727 |
| T | 2.500 | 3.000 | 1 | 2.625 | .500 | BCFKF | | PS-728 |

WHEN SEAL IDENTIFICATION IS DOUBTFUL, SEND SAMPLE ALONG WITH APPLICATION INFORMATION AND ALL PUMP NAMEPLATE DATA.

DIMENSIONAL CROSS-REFERENCE BY SHAFT SIZE

| SEAL HEAD | | | SEAT | | | Material Code | NOTES | U.S. SEAL Part No. |
|-----------------------------|-------|----------|------|-------|--------|---------------|-------|--------------------|
| Fig. | O.D. | Oper.Ht. | Fig. | O.D. | Thick. | | | |
| 1.875 (1-7/8") SHAFT | | | | | | | | |
| C | 2.750 | 1.500 | 1 | 2.625 | .500 | BCFJF | | PS-340 |
| C | 2.750 | 1.500 | 1 | 2.625 | .500 | QCFJF | | PS-340-EPR |
| C | 2.750 | 1.500 | 1 | 2.625 | .500 | BCFKF | | PS-1608 |
| C | 2.750 | 1.500 | 3 | 2.625 | .500 | BCFKF | | PS-312 |
| C | 2.750 | 1.500 | 3 | 2.625 | .500 | BCFJF | | PS-2114 |
| D | 2.875 | 1.500 | --- | --- | --- | BCD-F | | PS-223 |
| D | 2.875 | 1.500 | 3 | 2.625 | .500 | BCDKF | | PS-593 |
| D | 2.875 | 1.500 | 1 | 2.625 | .500 | BCDJF | | PS-828 |
| D | 2.875 | 1.500 | 1 | 2.625 | .500 | BCDKF | | PS-1097 |
| D | 3.000 | 1.500 | 3 | 2.750 | .500 | NCPGP | | PS-193 |
| E | 2.500 | 2.062 | 3 | 2.625 | .500 | VCFZF | | PS-1661 |
| E | 2.500 | 2.125 | --- | --- | --- | BCF-F | | PS-2110 |
| E | 2.500 | 2.125 | 1 | 2.625 | .500 | BCFJF | | PS-2069 |
| E | 2.500 | 2.125 | 1 | 2.625 | .500 | BCFKF | | PS-2070 |
| E | 2.500 | 2.125 | 1 | 2.625 | .500 | BCFJF | | PS-523 |
| E | 2.500 | 2.125 | 1 | 2.625 | .500 | BCFKF | | PS-513 |
| E | 2.500 | 2.125 | 3 | 2.625 | .500 | VCFKF | | PS-513V |
| E | 2.500 | 2.125 | 3 | 2.625 | .500 | BCFKF | | PS-586 |
| E | 2.500 | 2.125 | 3 | 2.625 | .500 | BCFJF | | PS-1654 |
| E | 2.500 | 2.125 | 3 | 2.625 | .500 | BCPJF | | PS-1656 |
| E | 2.500 | 2.125 | 3 | 2.625 | .500 | BCKPF | | PS-1657 |
| E | 2.500 | 2.125 | 3 | 2.625 | .500 | VCFJF | | PS-1659 |
| E | 2.500 | 2.125 | 3 | 2.625 | .500 | VCFKF | | PS-1660 |
| E | 2.500 | 2.125 | 3 | 2.625 | .500 | BCFJF | | PS-2071 |
| E | 2.500 | 2.125 | 3 | 2.625 | .500 | BCFKF | | PS-2072 |
| E | 2.500 | 2.125 | 3 | 2.687 | .500 | B/VCFJF | | PS-1662 |
| E | 2.500 | 2.125 | 3 | 2.687 | .500 | VCFJF | | PS-1662V |
| E | 2.500 | 2.125 | 3 | 2.687 | .500 | B/VCFKF | | PS-1663 |
| E | 2.500 | 2.125 | 3 | 2.687 | .500 | B/VCPJF | | PS-1664 |
| E | 2.500 | 2.125 | 3 | 2.687 | .500 | B/VCPKF | | PS-1665 |
| E | 2.500 | 2.125 | 3 | 2.687 | .500 | VCFJF | | PS-7020 |
| E | 2.500 | 2.437 | 3 | 2.687 | .500 | BCFJF | | PS-829 |
| E | 2.500 | 2.437 | 3 | 2.687 | .500 | BCFKF | | PS-831 |
| E | 2.500 | 2.437 | 3 | 2.687 | .500 | BKPJF | | PS-946 |
| E | 2.500 | 2.437 | 3 | 2.687 | .500 | BCKPF | | PS-949 |
| E Balanced | 2.500 | 2.500 | 3 | 2.500 | .500 | BCFJF | | PS-7827 |
| E Balanced | 2.500 | 2.500 | 3 | 2.500 | .500 | BCFKF | | PS-7884 |
| K | 2.750 | 1.750 | 1 | 2.625 | .500 | BCFJF | | PS-2237 |
| K | 2.750 | 2.125 | 1 | 2.625 | .500 | BCFKF | | PS-7352 |
| K | 2.750 | 3.000 | 1 | 2.625 | .500 | BCFKF | | PS-1693 |
| K | 2.750 | 3.000 | 1 | 2.625 | .500 | BCFJF | | PS-318 |
| T | 2.500 | 3.000 | 1 | 2.625 | .500 | BCFJF | | PS-742 |
| T | 2.500 | 3.000 | 1 | 2.625 | .500 | BCFKF | | PS-743 |
| T | 2.500 | 3.000 | 3 | 2.687 | .500 | VCFJF | | PS-1653 |
| U | 2.500 | 2.437 | 3 | 2.500 | .500 | BCFJF | | PS-898 |
| V | 2.500 | 2.000 | 3 | 2.625 | .437 | BMFJF | | PS-2146 |
| V | 2.500 | 2.000 | 1 | 2.625 | .500 | BMFJF | | PS-1108 |
| V | 2.500 | 2.000 | 25 | 2.640 | .406 | BMFJF | | PS-1105 |



DIMENSIONAL CROSS-REFERENCE BY SHAFT SIZE

| SEAL HEAD | | | SEAT | | | Material Code | NOTES | U.S. SEAL Part No. |
|-------------------------|-------|----------|------|-------|--------|---------------|-------|--------------------|
| Fig. | O.D. | Oper.Ht. | Fig. | O.D. | Thick. | | | |
| 2.000 (2") SHAFT | | | | | | | | |
| C | 2.843 | 1.062 | 3 | 3.000 | .312 | BCFKF | | PS-582 |
| C | 2.875 | 1.250 | 1 | 2.750 | .500 | BCFKF | | PS-1028 |
| C | 2.875 | 1.250 | 1 | 2.750 | .500 | BCFJF | | PS-2139 |
| C | 2.875 | 1.500 | --- | --- | --- | BCF-F | | PS-2111 |
| C | 2.875 | 1.500 | 1 | 2.750 | .500 | BCFJF | | PS-267 |
| C | 2.875 | 1.500 | 1 | 2.750 | .500 | VCFJF | | PS-267V-CMS |
| C | 2.875 | 1.500 | 3 | 2.750 | .500 | VCFJF | | PS-267V |
| C | 2.875 | 1.500 | 3 | 2.750 | .500 | BCFKF | | PS-332 |
| C | 2.875 | 1.500 | 3 | 2.750 | .500 | BCFJF | | PS-532 |
| C | 2.875 | 1.500 | 1 | 2.750 | .500 | BCFKF | | PS-842 |
| C | 2.875 | 1.500 | 1 | 2.750 | .500 | BCFKF | I | PS-842-P66 |
| C | 2.875 | 1.500 | 3 | 2.750 | .500 | VCFKF | | PS-1145 |
| C | 2.875 | 1.500 | 1 | 2.750 | .500 | BZFZF | | PS-2219 |
| C | 2.875 | 1.500 | 3 | 3.000 | .500 | BCFKF | | PS-1020 |
| C | 2.875 | 1.500 | 28 | 4.330 | 1.060 | BCFKF | | PS-1037 |
| C | 2.875 | 1.500 | 28 | 4.330 | 1.060 | VCFKF | | PS-1037V |
| C | 2.875 | 2.125 | 1 | 2.750 | .500 | BCFKF | | PS-1017 |
| C | 2.875 | 2.125 | 1 | 2.750 | .500 | BCFJF | | PS-2133 |
| D | 3.000 | 1.500 | --- | --- | --- | BCD-F | | PS-196 |
| D | 3.000 | 1.500 | 1 | 2.625 | .500 | BCDKF | | PS-876 |
| D | 3.000 | 1.500 | 1 | 2.750 | .500 | BCFJF | | PS-2073 |
| D | 3.000 | 1.500 | 1 | 2.750 | .500 | BCDJF | | PS-445 |
| D | 3.000 | 1.500 | 3 | 2.750 | .500 | VCDJF | | PS-445V |
| D | 3.000 | 1.500 | 1 | 2.750 | .500 | VCDJF | | PS-445V-CMS |
| D | 3.000 | 1.500 | 1 | 2.750 | .500 | BCDKF | | PS-462 |
| D | 3.000 | 1.500 | 3 | 2.750 | .500 | VCDKF | | PS-462V |
| D | 3.000 | 1.500 | 3 | 2.750 | .500 | BCDKF | | PS-832 |
| D | 3.000 | 1.500 | 3 | 2.750 | .500 | BCDJF | | PS-833 |
| D | 3.000 | 1.500 | 3 | 2.750 | .500 | BCFJF | | PS-2075 |
| D | 3.000 | 1.500 | 3 | 2.750 | .500 | BCFKF | | PS-2076 |
| D | 3.093 | 1.125 | 3 | 2.812 | .500 | NCPGP | | PS-333 |
| E | 2.625 | 2.125 | 1 | 2.625 | .500 | BCFKF | | PS-1609 |
| E | 2.625 | 2.125 | 1 | 2.687 | .500 | BCFJF | | PS-319 |
| E | 2.625 | 2.125 | 1 | 2.687 | .500 | BCFKF | | PS-478 |
| E | 2.625 | 2.125 | 3 | 2.750 | .500 | NCPKP | | PS-342 |
| E | 2.625 | 2.125 | 3 | 2.750 | .500 | BCFKF | | PS-477 |
| E | 2.625 | 2.125 | 3 | 2.750 | .500 | VCFKF | | PS-477V |
| E | 2.625 | 2.125 | 1 | 2.750 | .500 | BCFJF | | PS-479 |
| E | 2.625 | 2.125 | 3 | 2.750 | .500 | BCFJF | | PS-530 |
| E | 2.625 | 2.125 | 1 | 2.750 | .500 | BCFKF | | PS-843 |
| E Balanced | 2.625 | 2.500 | 1 | 2.625 | .500 | BCFJF | | PS-7910 |
| E Balanced | 2.625 | 2.500 | 3 | 2.625 | .500 | VCFKF | | PS-7890 |
| E Balanced | 2.625 | 2.500 | 3 | 2.625 | .500 | BCFKF | | PS-7892 |
| K | 2.859 | 2.125 | 3 | 2.750 | .500 | BCFKF | | PS-1040 |
| K | 2.875 | 2.125 | 1 | 2.750 | .500 | BCFJF | | PS-2143 |
| R | 3.000 | 2.125 | 1 | 2.750 | .500 | BCDKF | | PS-658 |
| R | 3.000 | 2.125 | 1 | 2.750 | .500 | BCDJF | | PS-1610 |
| U | 2.625 | 2.000 | 3 | 2.750 | .500 | BCFKF | | PS-385A |
| U | 2.625 | 2.000 | 3 | 2.750 | .500 | BCFKF | | PS-385ASS |
| U | 2.625 | 2.218 | 3 | 2.750 | .500 | BCFKF | | PS-456 |

WHEN SEAL IDENTIFICATION IS DOUBTFUL, SEND SAMPLE ALONG WITH APPLICATION INFORMATION AND ALL PUMP NAMEPLATE DATA.

NOTE: I. ABRASION RESISTANT CARBON (P66)



DIMENSIONAL CROSS-REFERENCE BY SHAFT SIZE

| SEAL HEAD | | | SEAT | | | Material Code | NOTES | U.S. SEAL Part No. |
|------------------------------|-------|----------|------|-------|--------|---------------|-------|--------------------|
| Fig. | O.D. | Oper.Ht. | Fig. | O.D. | Thick. | | | |
| 2.062 (2-1/16") SHAFT | | | | | | | | |
| E | 2.812 | 2.375 | 3 | 2.875 | .562 | BCDKF | | PS-707 |
| 2.125 (2-1/8") SHAFT | | | | | | | | |
| C | 3.000 | 1.687 | 3 | 3.000 | .562 | BCFJF | | PS-338 |
| C | 3.000 | 1.687 | 1 | 3.000 | .562 | BCFKF | | PS-543 |
| C | 3.000 | 1.687 | 3 | 3.000 | .562 | VCFKF | | PS-543V |
| C | 3.000 | 1.687 | 1 | 3.000 | .562 | BCFJF | | PS-844 |
| C | 3.000 | 1.687 | 3 | 2.875 | .562 | BCFJF | | PS-854 |
| C | 3.000 | 1.687 | 3 | 2.875 | .562 | BCFKF | | PS-855 |
| C | 3.000 | 1.687 | 3 | 3.000 | .562 | B/VCFKF | F | PS-1057 |
| D | 3.250 | 1.687 | 1 | 3.000 | .562 | BCFJF | | PS-1686 |
| D | 3.250 | 1.687 | 1 | 3.000 | .562 | BCFKF | | PS-1687 |
| D | 3.250 | 1.687 | 3 | 3.000 | .562 | BCFJF | | PS-2093 |
| E | 2.812 | 2.375 | 3 | 2.812 | .437 | BCFJF | | PS-611 |
| E | 2.812 | 2.250 | 3 | 2.812 | .437 | BCFKF | | PS-1612 |
| E | 2.812 | 2.250 | 3 | 2.812 | .437 | VCFKF | | PS-1612V |
| E | 2.812 | 2.375 | 3 | 2.875 | .562 | BCFJF | E | PS-856 |
| E | 2.812 | 2.375 | 3 | 2.875 | .562 | BCFKF | E | PS-857 |
| E | 2.812 | 2.375 | 3 | 3.000 | .562 | BCFJF | | PS-327 |
| E | 2.812 | 2.375 | 1 | 3.000 | .562 | BCFKF | | PS-353 |
| E | 2.812 | 2.375 | 1 | 3.000 | .562 | BCFJF | | PS-537 |
| E | 2.812 | 2.375 | 3 | 3.000 | .562 | BCFKF | | PS-2086 |
| K | 3.000 | 2.125 | 1 | 3.000 | .562 | BCFJF | | PS-887 |
| T | 2.812 | 3.375 | 3 | 3.000 | .562 | BCFJF | | PS-2126 |
| U | 2.812 | 2.812 | 1 | 3.000 | .562 | BCFKF | | PS-556 |
| V | 2.750 | 1.625 | 25 | 3.187 | .875 | BCFJF | | PS-1107 |
| V | 2.750 | 2.562 | 3 | 3.140 | .562 | BCFJF | | PS-1102 |
| 2.250 (2-1/4") SHAFT | | | | | | | | |
| C | 3.125 | 1.437 | 1 | 3.125 | .562 | BCFJF | | PS-1087 |
| C | 3.125 | 1.688 | 3 | 3.125 | .562 | BCFKF | | PS-1676 |
| C | 3.125 | 1.688 | 3 | 3.125 | .562 | VCFKF | | PS-1676V |
| C | 3.125 | 1.688 | 3 | 3.125 | .562 | BCFJF | | PS-1678 |
| C | 3.125 | 1.688 | 1 | 3.125 | .562 | BCFJF | | PS-1679 |
| C | 3.125 | 1.688 | 1 | 3.125 | .562 | BCFKF | | PS-1680 |
| C | 3.125 | 2.375 | 1 | 3.125 | .562 | BCFJF | | PS-3537 |
| D | 3.375 | 1.688 | --- | --- | --- | BCD-F | | PS-942 |
| D | 3.375 | 1.688 | 3 | 3.125 | .562 | BCDJF | | PS-846 |
| D | 3.375 | 1.688 | 3 | 3.125 | .562 | BCDKF | | PS-847 |
| D | 3.375 | 1.688 | 1 | 3.125 | .562 | BCDJF | | PS-874 |
| D | 3.375 | 1.688 | 1 | 3.125 | .562 | BCDKF | | PS-941 |
| D | 3.375 | 1.688 | 3 | 3.125 | .562 | VCDKF | | PS-941V |
| D | 3.375 | 1.688 | 1 | 3.125 | .562 | BCFJF | | PS-2087 |
| D | 3.375 | 1.688 | 1 | 3.125 | .562 | BCFKF | | PS-2088 |
| D | 3.375 | 1.688 | 3 | 3.125 | .562 | BCFJF | | PS-2089 |
| D | 3.375 | 1.688 | 3 | 3.125 | .562 | BCFKF | | PS-2090 |
| E | 2.938 | 2.375 | 1 | 3.125 | .562 | BCDJF | | PS-323 |
| E | 2.938 | 2.375 | 1 | 3.125 | .562 | BCDKF | | PS-351 |
| E | 2.938 | 2.375 | 3 | 3.125 | .562 | VCDKF | | PS-351V |
| E | 2.938 | 2.375 | 3 | 3.125 | .562 | BCDJF | | PS-848 |
| E | 2.938 | 2.375 | 3 | 3.125 | .562 | BCDKF | | PS-849 |

NOTE: E. LOCK COLLAR SOLD SEPARATELY
 F. SEAT IS SLOTTED

WHEN SEAL IDENTIFICATION IS DOUBTFUL, SEND SAMPLE ALONG WITH APPLICATION INFORMATION AND ALL PUMP NAMEPLATE DATA.



DIMENSIONAL CROSS REFERENCE BY SHAFT SIZE

| SEAL HEAD | | | SEAT | | | Material Code | NOTES | U.S. SEAL Part No. |
|---|-------|----------|------|-------|--------|---------------|-------|--------------------|
| Fig. | O.D. | Oper.Ht. | Fig. | O.D. | Thick. | | | |
| 2.250 (2-1/4") SHAFT (continued) | | | | | | | | |
| E | 2.938 | 2.375 | 3 | 3.125 | .562 | BCFJF | | PS-1688 |
| E | 2.938 | 2.375 | 1 | 3.125 | .562 | BCFJF | | PS-2091 |
| E | 2.938 | 2.375 | 1 | 3.125 | .562 | BCFKF | | PS-2092 |
| E | 2.938 | 2.375 | 3 | 3.125 | .562 | BCFKF | | PS-2094 |
| E Balanced | 2.937 | 2.750 | 3 | 3.000 | .562 | BCFZF | | PS-7749 |
| T | 2.938 | 3.375 | 3 | 3.125 | .562 | BCDJF | | PS-2132 |
| 2.375 (2-3/8") SHAFT | | | | | | | | |
| C | 3.219 | 1.813 | 3 | 3.250 | .562 | BCFJF | | PS-268 |
| C | 3.219 | 1.813 | 3 | 3.250 | .562 | BCFKF | | PS-492 |
| C | 3.219 | 1.813 | 3 | 3.250 | .562 | BCFKF | I | PS-492-P66 |
| C | 3.219 | 1.813 | 28 | 5.118 | 1.060 | BCFKF | | PS-1677 |
| D | 3.500 | 1.812 | 3 | 3.250 | .562 | BCDKF | | PS-594 |
| D | 3.500 | 1.812 | 3 | 3.250 | .562 | BCDJF | | PS-834 |
| D | 3.500 | 1.812 | 3 | 3.250 | .562 | BCFKF | | PS-2095 |
| E | 3.062 | 2.500 | 3 | 3.250 | .562 | BCFJF | | PS-278 |
| E | 3.062 | 2.500 | 3 | 3.250 | .562 | BCFKF | | PS-350 |
| E | 3.062 | 2.500 | 3 | 3.250 | .562 | BCFJF | | PS-2097 |
| E | 3.062 | 2.500 | 3 | 3.250 | .562 | VCFKF | | PS-2098V |
| K | 3.219 | 2.125 | 3 | 3.250 | .562 | BCFKF | | PS-1041 |
| K | 3.219 | 2.125 | 3 | 3.250 | .562 | BCFJF | | PS-1694 |
| 2.500 (2-1/2") SHAFT | | | | | | | | |
| C | 3.344 | 1.813 | 1 | 3.375 | .562 | BCFJF | | PS-2120 |
| C | 3.344 | 1.813 | 3 | 3.375 | .562 | BCFJF | | PS-269 |
| C | 3.344 | 1.813 | 3 | 3.375 | .562 | BCFKF | E | PS-853 |
| D | 3.625 | 1.813 | 3 | 3.250 | .437 | BCDJF | | PS-468 |
| D | 3.625 | 1.813 | 3 | 3.250 | .437 | BCDKF | | PS-469 |
| D | 3.625 | 1.813 | 3 | 3.375 | .562 | BCDKF | | PS-463 |
| D | 3.625 | 1.813 | 3 | 3.375 | .562 | VCDKF | | PS-463V |
| D | 3.625 | 1.813 | 3 | 3.375 | .562 | BCDJF | | PS-835 |
| D | 3.718 | 1.250 | 3 | 3.375 | .562 | NCPGP | | PS-335 |
| E | 3.187 | 2.500 | 3 | 3.375 | .562 | BCFJF | | PS-279 |
| E | 3.187 | 2.500 | 3 | 3.375 | .562 | BCFKF | | PS-349 |
| E | 3.187 | 2.500 | 3 | 3.375 | .562 | VCFKF | | PS-349V |
| E | 3.187 | 2.500 | 3 | 3.375 | .562 | BCFKF | I | PS-2205 |
| K | 3.344 | 2.125 | 1 | 3.375 | .562 | BCFJF | | PS-2158 |
| K | 3.344 | 2.125 | 3 | 3.375 | .562 | BCFJF | | PS-1613 |
| K | 3.344 | 2.125 | 3 | 3.375 | .562 | BCFKF | | PS-1695 |
| V | 3.187 | 2.375 | 3 | 3.500 | .562 | BCFJF | | PS-2147 |
| 2.625 (2-5/8") SHAFT | | | | | | | | |
| E | 3.375 | 2.750 | 3 | 3.375 | .625 | BCFJF | | PS-328 |
| E | 3.375 | 2.750 | 3 | 3.375 | .625 | BCFKF | E | PS-542 |
| E Balanced | 3.380 | 3.125 | 3 | 3.400 | .562 | BCFJF | | PS-7703 |
| E Balanced | 3.380 | 3.125 | 3 | 3.400 | .562 | BCFZF | | PS-7773 |
| E Balanced | 3.380 | 3.125 | 3 | 3.400 | .562 | BCFKF | | PS-7927 |
| 2.750 (2-3/4") SHAFT | | | | | | | | |
| C | 3.750 | 1.125 | 3 | 3.500 | .625 | BCFJF | | PS-2154 |
| C | 3.750 | 1.937 | 3 | 3.500 | .625 | BCFKF | | PS-483 |
| C | 3.750 | 1.937 | 3 | 3.500 | .625 | BCFJF | | PS-836 |

WHEN SEAL IDENTIFICATION IS DOUBTFUL, SEND SAMPLE ALONG WITH APPLICATION INFORMATION AND ALL PUMP NAMEPLATE DATA.

NOTE: E. LOCK COLLAR SOLD SEPARATELY
I. ABRASION RESISTANT CARBON (P66)



DIMENSIONAL CROSS-REFERENCE BY SHAFT SIZE

| Fig. | SEAL HEAD | | Fig. | SEAT | | Material Code | NOTES | U.S. SEAL Part No. |
|---|-----------|----------|------|-------|--------|---------------|-------|--------------------|
| | O.D. | Oper.Ht. | | O.D. | Thick. | | | |
| 2.750 (2-3/4") SHAFT (continued) | | | | | | | | |
| D | 4.000 | 1.937 | 3 | 3.500 | .625 | BCFKF | | PS-464 |
| D | 4.000 | 1.937 | 3 | 3.500 | .625 | BCFJF | | PS-837 |
| E | 3.500 | 2.750 | 3 | 3.500 | .625 | BCFKF | | PS-321 |
| E | 3.500 | 2.750 | 3 | 3.500 | .625 | BCFJF | | PS-838 |
| K | 3.750 | 2.500 | 3 | 3.500 | .625 | BCFJF | | PS-2148 |
| K | 3.750 | 3.750 | 3 | 3.500 | .625 | BCFKF | | PS-322 |
| K | 3.750 | 3.750 | 1 | 3.500 | .625 | BCFKF | | PS-322-CMS |
| 2.875 (2-7/8") SHAFT | | | | | | | | |
| C | 3.718 | 2.062 | 3 | 3.750 | .625 | BCFJF | | PS-270 |
| E | 3.625 | 2.875 | 3 | 3.750 | .625 | BCFJF | | PS-329 |
| E | 3.625 | 2.875 | 3 | 3.750 | .625 | BCFKF | | PS-841 |
| 3.000 (3") SHAFT | | | | | | | | |
| C | 4.000 | 1.125 | 3 | 3.875 | .625 | BCFJF | | PS-2153 |
| C | 4.000 | 2.062 | 3 | 3.875 | .625 | BCFKF | | PS-2115 |
| C | 4.000 | 2.062 | 3 | 3.875 | .625 | BCFJF | | PS-2116 |
| C | 4.062 | 1.312 | 3 | 3.875 | .625 | BCFJF | B | PS-1088 |
| D | 4.250 | 2.062 | 3 | 3.875 | .625 | BCDKF | | PS-465 |
| D | 4.250 | 2.062 | 3 | 3.875 | .625 | BCDJF | | PS-761 |
| E | 3.750 | 2.813 | 3 | 3.875 | .625 | BCDJF | | PS-324 |
| E | 3.750 | 2.813 | 3 | 3.875 | .625 | BCDKF | | PS-475 |
| K | 4.000 | 2.500 | 3 | 3.875 | .625 | BCFKF | | PS-2141 |
| V | 3.750 | 2.750 | 3 | 4.000 | .500 | BCFJF | | PS-7215 |
| 3.125 (3-1/8") SHAFT | | | | | | | | |
| V | 3.875 | 3.062 | 3 | 4.750 | .781 | BCFJF | | PS-1069 |
| 3.250 (3-1/4") SHAFT | | | | | | | | |
| E | 4.125 | 3.125 | 3 | 4.125 | .781 | BCDJF | E | PS-330 |
| U | 4.125 | 3.032 | 3 | 4.125 | .781 | BCFKF | | PS-325 |
| 3.750 (3-3/4") SHAFT | | | | | | | | |
| C | 4.875 | 2.312 | 3 | 4.625 | .781 | BCFJF | | PS-272 |
| 4.000 (4") SHAFT | | | | | | | | |
| E Balanced | 4.880 | 3.750 | 3 | 4.600 | .781 | BCFJF | | PS-7853 |
| 5.000 (5") SHAFT | | | | | | | | |
| K | 6.375 | 3.781 | 3 | 6.000 | .781 | BCFKF | | PS-2140 |

NOTES

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|--------------------------------|------------------------------------|
| A. MOUNTS ON SHAFT | G. MOUNTS IN PLASTIC |
| B. TAPERED SPRING | H. SPRING HOLDER NOT INCLUDED |
| E. LOCK COLLAR SOLD SEPARATELY | I. ABRASION RESISTANT CARBON (P66) |
| F. SEAT IS SLOTTED | |