

**ENGINEERING**



**2022**

HIGH PERFORMANCE VALVETRAIN



since 1939

November 4, 2022



**VALVE GUIDE SEAL CATALOG**

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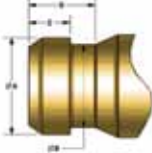
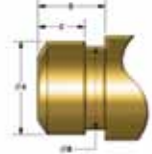
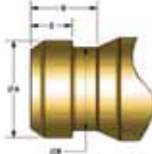
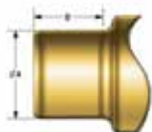
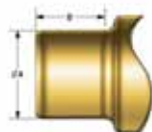
European Top Fuel World Champion

# KPMI® VALVE STEM SEALS

**USED BY THE TOP RACERS  
IN THE WORLD**

**INSIST ON THE RED ONES!**

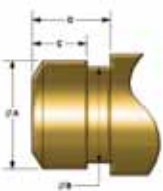
KPMI® has been working for the past ten years designing and developing a premium line of “RED” valve stem seals. The KPMI® engineering team were given strict guidelines to develop seals that are made from premium materials, provide optimum fitment, offer maximum life and allow for maximum lift. By limiting material choices to High Temperature Viton® and Teflon®, the entire KPMI® Red Seal line are resistant to high temperatures, petroleum products and corrosive gasses that typically break down lesser quality seals. KPMI® seals retain their ability to seal in situations that other materials harden and deform, which then allows oil to bypass the seal and enter into the combustion chamber, causing detonation, carbon build up and a loss of power. Don't complete you're next rebuild without a set of the “Red Ones”.

|                                                                                      |                                                                                     |                                                                                     |                                                                                     |                                                                                       |                                                                                       |
|--------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| KPMI®<br>Seal Style 1                                                                |                                                                                     |                                                                                     |  |                                                                                       |                                                                                       |
| KPMI®<br>Seal Style 2                                                                |  |  | KPMI®<br>Seal Style 3                                                               |  |  |
| KPMI®<br>Seal Style 4                                                                |  |  | KPMI®<br>Seal Style 5                                                               |  |  |
| KPMI®<br>Seal Style 6                                                                |  |  | KPMI®<br>Seal Style 7                                                               |  |  |
| KPMI® Seal Designs Offer a Diagram and Dimentions So You Can Insure For a Proper Fit |                                                                                     |                                                                                     |                                                                                     |                                                                                       |                                                                                       |

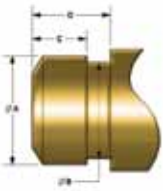
All KPMI® seals are conveniently packaged in quantities of: 4, 8, 16, 50, and 100. Value added savings have been built into the 16, 50, and 100 quantity packs with 10, 15, and 20% savings respectively. All 5-valve motors have been kitted and when a model has unique stem diameters between intake and exhaust, they too have been kitted. In the following pages of this brochure you can find the comprehensive offering of valve stem seals KPMI® has to offer.



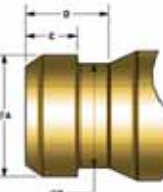
## Seal Style 1 - Solid Viton

| Stem Diameter                                                                     | O.L    | Seal O.D.                                                                         | Designed for these guide specs |               |        |             | OEM REF.     |
|-----------------------------------------------------------------------------------|--------|-----------------------------------------------------------------------------------|--------------------------------|---------------|--------|-------------|--------------|
| 8.0mm                                                                             | 0.285" | 0.555"                                                                            | A                              | B             | C      | D           | 764.1.013.1A |
|                                                                                   |        |                                                                                   | 0.466"-0.475"                  | 0.411"-0.430" | 0.040" | 0.135"      |              |
|  |        |  |                                | Part Number   |        | Quantity    |              |
|                                                                                   |        |                                                                                   |                                | 71043-4       |        | Pkg. of 4   |              |
|                                                                                   |        |                                                                                   |                                | 71043-8       |        | Pkg. of 8   |              |
|                                                                                   |        |                                                                                   |                                | 71043-16      |        | Pkg. of 16  |              |
|                                                                                   |        |                                                                                   |                                | 71043-50      |        | Pkg. of 50  |              |
|                                                                                   |        |                                                                                   |                                | 71043-100     |        | Pkg. of 100 |              |

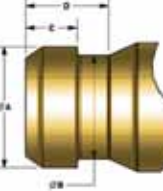
## Seal Style 1 - Solid Viton

| Stem Diameter                                                                     | O.L                                                                               | Seal O.D.   | Designed for these guide specs |             |        |        | OEM REF. |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------|--------------------------------|-------------|--------|--------|----------|
| 5/16"                                                                             | 0.465"                                                                            | 0.550"      | A                              | B           | C      | D      | ---      |
|                                                                                   |                                                                                   |             | 0.500"±0.010"                  | 0.445"      | 0.230" | 0.280" |          |
|  |  | Part Number |                                | Quantity    |        |        |          |
|                                                                                   |                                                                                   | 71012-4     |                                | Pkg. of 4   |        |        |          |
|                                                                                   |                                                                                   | 71012-8     |                                | Pkg. of 8   |        |        |          |
|                                                                                   |                                                                                   | 71012-16    |                                | Pkg. of 16  |        |        |          |
|                                                                                   |                                                                                   | 71012-50    |                                | Pkg. of 50  |        |        |          |
|                                                                                   |                                                                                   | 71012-100   |                                | Pkg. of 100 |        |        |          |

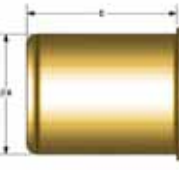
## Seal Style 2 - Solid Viton w/ Tension Spring

| Stem Diameter                                                                       | O.L.   | Seal O.D.                                                                           | Designed for these guide specs |        |             |        | OEM REF.      |
|-------------------------------------------------------------------------------------|--------|-------------------------------------------------------------------------------------|--------------------------------|--------|-------------|--------|---------------|
| 4.0mm                                                                               | 0.310" | 0.380"                                                                              | A                              | B      | C           | D      | 12209-KT7-013 |
|                                                                                     |        |                                                                                     | 0.315"±0.005"                  | 0.270" | 0.120"      | 0.235" |               |
|  |        |  | Part Number                    |        | Quantity    |        |               |
|                                                                                     |        |                                                                                     | 71013-4                        |        | Pkg. of 4   |        |               |
|                                                                                     |        |                                                                                     | 71013-8                        |        | Pkg. of 8   |        |               |
|                                                                                     |        |                                                                                     | 71013-16                       |        | Pkg. of 16  |        |               |
|                                                                                     |        |                                                                                     | 71013-50                       |        | Pkg. of 50  |        |               |
|                                                                                     |        |                                                                                     | 71013-100                      |        | Pkg. of 100 |        |               |

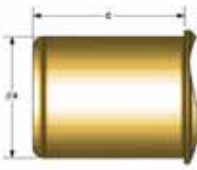
## Seal Style 2 - Solid Viton w/ Tension Spring

| Stem Diameter                                                                       | O.L.   | Seal O.D.                                                                           | Designed for these guide specs |        |             |        | OEM REF.        |
|-------------------------------------------------------------------------------------|--------|-------------------------------------------------------------------------------------|--------------------------------|--------|-------------|--------|-----------------|
| 5.5mm                                                                               | 0.330" | 0.455"                                                                              | A                              | B      | C           | D      | 51Y-12119-00-00 |
|                                                                                     |        |                                                                                     | 0.365"±0.002"                  | 0.325" | 0.120"      | 0.235" |                 |
|  |        |  | Part Number                    |        | Quantity    |        |                 |
|                                                                                     |        |                                                                                     | 71040-4                        |        | Pkg. of 4   |        |                 |
|                                                                                     |        |                                                                                     | 71040-8                        |        | Pkg. of 8   |        |                 |
|                                                                                     |        |                                                                                     | 71040-16                       |        | Pkg. of 16  |        |                 |
|                                                                                     |        |                                                                                     | 71040-50                       |        | Pkg. of 50  |        |                 |
|                                                                                     |        |                                                                                     | 71040-100                      |        | Pkg. of 100 |        |                 |

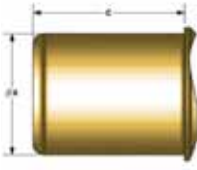
## Seal Style 3 - Solid Viton w/ Metal Jacket & Integral Spring Base

| Stem Diameter                                                                       | O.L                                                                                 | Seal O.D.   | Designed for these guide specs |     |             | Spring        | OEM REF.  |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------|--------------------------------|-----|-------------|---------------|-----------|
| 7.0mm                                                                               | 0.974"                                                                              | 1.457"      | A                              | B   | C           | Shoulder Dia. | 18094-02A |
|                                                                                     |                                                                                     |             | 0.560"±0.005"                  | --- | 0.700"      |               |           |
|  |  | Part Number |                                |     | Quantity    |               |           |
|                                                                                     |                                                                                     | 71030-4     |                                |     | Pkg. of 4   |               |           |
|                                                                                     |                                                                                     | 71030-8     |                                |     | Pkg. of 8   |               |           |
|                                                                                     |                                                                                     | 71030-16    |                                |     | Pkg. of 16  |               |           |
|                                                                                     |                                                                                     | 71030-50    |                                |     | Pkg. of 50  |               |           |
|                                                                                     |                                                                                     | 71030-100   |                                |     | Pkg. of 100 |               |           |

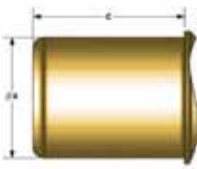
### Seal Style 3 - Solid Viton w/ Metal Jacket & Integral Spring Base

| Stem Diameter                                                                     | O.L                                                                               | Seal O.D.   | Designed for these guide specs |             |        | Spring        | OEM REF. |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------|--------------------------------|-------------|--------|---------------|----------|
|                                                                                   |                                                                                   |             | A                              | B           | C      | Shoulder Dia. |          |
| 5.5mm                                                                             | 0.630"                                                                            | 1.043"      | 0.435 ± 0.005                  | ---         | 0.480" | 0.697"        | 3610212  |
|  |  | Part Number |                                | Quantity    |        |               |          |
|                                                                                   |                                                                                   | 71048-4     |                                | Pkg. of 4   |        |               |          |
|                                                                                   |                                                                                   | 71048-8     |                                | Pkg. of 8   |        |               |          |
|                                                                                   |                                                                                   | 71048-16    |                                | Pkg. of 16  |        |               |          |
|                                                                                   |                                                                                   | 71048-50    |                                | Pkg. of 50  |        |               |          |
|                                                                                   |                                                                                   | 71048-100   |                                | Pkg. of 100 |        |               |          |

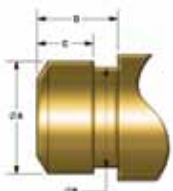
### Seal Style 3 - Solid Viton w/ Metal Jacket & Integral Spring Base

| Stem Diameter                                                                     | O.L                                                                               | Seal O.D.   | Designed for these guide specs |             |        | Spring        | OEM REF.  |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------|--------------------------------|-------------|--------|---------------|-----------|
|                                                                                   |                                                                                   |             | A                              | B           | C      | Shoulder Dia. |           |
| 5.0mm                                                                             | 0.460"                                                                            | 0.975"      | 0.355 ± 0.005                  | ---         | 0.290" | 0.674"        | 420431671 |
|  |  | Part Number |                                | Quantity    |        |               |           |
|                                                                                   |                                                                                   | 71047-4     |                                | Pkg. of 4   |        |               |           |
|                                                                                   |                                                                                   | 71047-8     |                                | Pkg. of 8   |        |               |           |
|                                                                                   |                                                                                   | 71047-16    |                                | Pkg. of 16  |        |               |           |
|                                                                                   |                                                                                   | 71047-50    |                                | Pkg. of 50  |        |               |           |
|                                                                                   |                                                                                   | 71047-100   |                                | Pkg. of 100 |        |               |           |

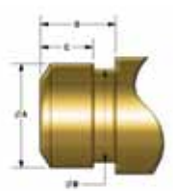
### Seal Style 3 - Solid Viton w/ Metal Jacket & Integral Spring Base

| Stem Diameter                                                                       | O.L                                                                                 | Seal O.D.   | Designed for these guide specs |             |        | Spring        | OEM REF. |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------|--------------------------------|-------------|--------|---------------|----------|
|                                                                                     |                                                                                     |             | A                              | B           | C      | Shoulder Dia. |          |
| 6.0mm                                                                               | 0.712"                                                                              | 1.170"      | 0.475"±0.005"                  | ---         | 0.545" | 0.707"        | 18100044 |
|  |  | Part Number |                                | Quantity    |        |               |          |
|                                                                                     |                                                                                     | 71046-4     |                                | Pkg. of 4   |        |               |          |
|                                                                                     |                                                                                     | 71046-8     |                                | Pkg. of 8   |        |               |          |
|                                                                                     |                                                                                     | 71046-16    |                                | Pkg. of 16  |        |               |          |
|                                                                                     |                                                                                     | 71046-50    |                                | Pkg. of 50  |        |               |          |
|                                                                                     |                                                                                     | 71046-100   |                                | Pkg. of 100 |        |               |          |

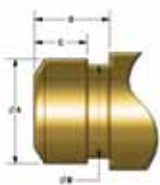
### Seal Style 4 - Solid Viton w/ Choker & Tension Spring

| Stem Diameter                                                                       | O.L                                                                                 | Seal O.D.   | Designed for these guide specs |             |        |        | OEM REF.      |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------|--------------------------------|-------------|--------|--------|---------------|
|                                                                                     |                                                                                     |             | A                              | B           | C      | D      |               |
| 4.5mm                                                                               | 0.331"                                                                              | 0.370"      | 0.321"±0.005"                  | 0.281"      | 0.120" | 0.240" | 12209-ML0-722 |
|  |  | Part Number |                                | Quantity    |        |        |               |
|                                                                                     |                                                                                     | 71014-4     |                                | Pkg. of 4   |        |        |               |
|                                                                                     |                                                                                     | 71014-8     |                                | Pkg. of 8   |        |        |               |
|                                                                                     |                                                                                     | 71014-16    |                                | Pkg. of 16  |        |        |               |
|                                                                                     |                                                                                     | 71014-50    |                                | Pkg. of 50  |        |        |               |
|                                                                                     |                                                                                     | 71014-100   |                                | Pkg. of 100 |        |        |               |

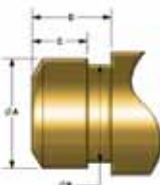
### Seal Style 4 - Solid Viton w/ Choker & Tension Spring

| Stem Diameter                                                                       | O.L                                                                                 | Seal O.D.   | Designed for these guide specs |             |        |        | OEM REF.    |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------|--------------------------------|-------------|--------|--------|-------------|
|                                                                                     |                                                                                     |             | A                              | B           | C      | D      |             |
| 5.0mm                                                                               | 0.350"                                                                              | 0.405"      | 0.340"±0.005"                  | 0.303"      | 0.125" | 0.230" | 09289-05011 |
|  |  | Part Number |                                | Quantity    |        |        |             |
|                                                                                     |                                                                                     | 71015-4     |                                | Pkg. of 4   |        |        |             |
|                                                                                     |                                                                                     | 71015-8     |                                | Pkg. of 8   |        |        |             |
|                                                                                     |                                                                                     | 71015-16    |                                | Pkg. of 16  |        |        |             |
|                                                                                     |                                                                                     | 71015-50    |                                | Pkg. of 50  |        |        |             |
|                                                                                     |                                                                                     | 71015-100   |                                | Pkg. of 100 |        |        |             |

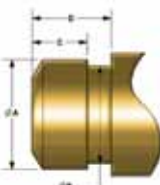
### Seal Style 4 - Solid Viton w/ Choker & Tension Spring

| Stem Diameter                                                                     | O.L                                                                               | Seal O.D.   | Designed for these guide specs |             |        |        | OEM REF.      |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------|--------------------------------|-------------|--------|--------|---------------|
| 5.5mm                                                                             | 0.320"                                                                            | 0.440"      | A                              | B           | C      | D      | 12209-422-005 |
|                                                                                   |                                                                                   |             | 0.358"±0.005"                  | 0.320"      | 0.115" | 0.225" |               |
|  |  | Part Number |                                | Quantity    |        |        |               |
|                                                                                   |                                                                                   | 71016-4     |                                | Pkg. of 4   |        |        |               |
|                                                                                   |                                                                                   | 71016-8     |                                | Pkg. of 8   |        |        |               |
|                                                                                   |                                                                                   | 71016-16    |                                | Pkg. of 16  |        |        |               |
|                                                                                   |                                                                                   | 71016-50    |                                | Pkg. of 50  |        |        |               |
|                                                                                   |                                                                                   | 71016-100   |                                | Pkg. of 100 |        |        |               |

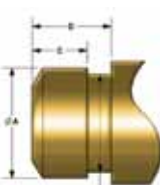
### Seal Style 4 - Solid Viton w/ Choker & Tension Spring

| Stem Diameter                                                                     | O.L                                                                               | Seal O.D.   | Designed for these guide specs |             |        |        | OEM REF.      |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------|--------------------------------|-------------|--------|--------|---------------|
| 6.5mm                                                                             | 0.353"                                                                            | 0.560"      | A                              | B           | C      | D      | 12209-300-003 |
|                                                                                   |                                                                                   |             | 0.475"±0.005"                  | 0.415"      | 0.115" | 0.260" |               |
|  |  | Part Number |                                | Quantity    |        |        |               |
|                                                                                   |                                                                                   | 71018-4     |                                | Pkg. of 4   |        |        |               |
|                                                                                   |                                                                                   | 71018-8     |                                | Pkg. of 8   |        |        |               |
|                                                                                   |                                                                                   | 71018-16    |                                | Pkg. of 16  |        |        |               |
|                                                                                   |                                                                                   | 71018-50    |                                | Pkg. of 50  |        |        |               |
|                                                                                   |                                                                                   | 71018-100   |                                | Pkg. of 100 |        |        |               |

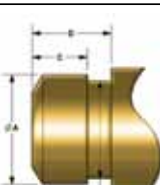
### Seal Style 4 - Solid Viton w/ Choker & Tension Spring

| Stem Diameter                                                                       | O.L                                                                                 | Seal O.D.   | Designed for these guide specs |             |        |        | OEM REF.  |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------|--------------------------------|-------------|--------|--------|-----------|
| 7.0mm                                                                               | 0.374"                                                                              | 0.560"      | A                              | B           | C      | D      | 92049-016 |
|                                                                                     |                                                                                     |             | 0.475"±0.005"                  | 0.430"      | 0.115" | 0.240" |           |
|  |  | Part Number |                                | Quantity    |        |        |           |
|                                                                                     |                                                                                     | 71019-4     |                                | Pkg. of 4   |        |        |           |
|                                                                                     |                                                                                     | 71019-8     |                                | Pkg. of 8   |        |        |           |
|                                                                                     |                                                                                     | 71019-16    |                                | Pkg. of 16  |        |        |           |
|                                                                                     |                                                                                     | 71019-50    |                                | Pkg. of 50  |        |        |           |
|                                                                                     |                                                                                     | 71019-100   |                                | Pkg. of 100 |        |        |           |

### Seal Style 5 - Solid Viton w/ Metal Jacket & Choker Spring

| Stem Diameter                                                                       | O.L.                                                                                | Seal O.D.                                          | Designed for these guide specs |             |        |        | OEM REF. |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|----------------------------------------------------|--------------------------------|-------------|--------|--------|----------|
| 4.0mm                                                                               | 0.320"                                                                              | 0.355"                                             | A                              | B           | C      | D      | ---      |
|                                                                                     |                                                                                     |                                                    | 0.285"±0.002"                  | 0.245"      | 0.120" | 0.215" |          |
|  |  | Part Number                                        |                                | Quantity    |        |        |          |
|                                                                                     |                                                                                     | 71039-4                                            |                                | Pkg. of 4   |        |        |          |
|                                                                                     |                                                                                     | 71039-8                                            |                                | Pkg. of 8   |        |        |          |
|                                                                                     |                                                                                     | 71039-16                                           |                                | Pkg. of 16  |        |        |          |
|                                                                                     |                                                                                     | 71039-50                                           |                                | Pkg. of 50  |        |        |          |
|                                                                                     |                                                                                     | 71039-100                                          |                                | Pkg. of 100 |        |        |          |
|                                                                                     |                                                                                     | Note: The 71039 seals do not have a choker spring. |                                |             |        |        |          |

### Seal Style 5 - Solid Viton w/ Metal Jacket & Choker Spring

| Stem Diameter                                                                       | O.L                                                                                 | Seal O.D.   | Designed for these guide specs |             |        |        | OEM REF.    |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------|--------------------------------|-------------|--------|--------|-------------|
| 5.0mm                                                                               | 0.320"                                                                              | 0.435"      | A                              | B           | C      | D      | 77036027000 |
|                                                                                     |                                                                                     |             | 0.305"±0.002"                  | 0.265"      | 0.100" | 0.195" |             |
|  |  | Part Number |                                | Quantity    |        |        |             |
|                                                                                     |                                                                                     | 71041-4     |                                | Pkg. of 4   |        |        |             |
|                                                                                     |                                                                                     | 71041-8     |                                | Pkg. of 8   |        |        |             |
|                                                                                     |                                                                                     | 71041-16    |                                | Pkg. of 16  |        |        |             |
|                                                                                     |                                                                                     | 71041-50    |                                | Pkg. of 50  |        |        |             |
|                                                                                     |                                                                                     | 71041-100   |                                | Pkg. of 100 |        |        |             |



| Seal Style 5 - Solid Viton w/ Metal Jacket & Choker Spring                        |        |                                                                                   |                                |             |        |             |          |
|-----------------------------------------------------------------------------------|--------|-----------------------------------------------------------------------------------|--------------------------------|-------------|--------|-------------|----------|
| Stem Diameter                                                                     | O.L    | Seal O.D.                                                                         | Designed for these guide specs |             |        |             | OEM REF. |
| 5.5mm                                                                             | 0.540" | 0.524"                                                                            | A                              | B           | C      | D           | ---      |
|                                                                                   |        |                                                                                   | 0.435"±0.002"                  | ---         | 0.410" | ---         |          |
|  |        |  |                                | Part Number |        | Quantity    |          |
|                                                                                   |        |                                                                                   |                                | 71038-4     |        | Pkg. of 4   |          |
|                                                                                   |        |                                                                                   |                                | 71038-8     |        | Pkg. of 8   |          |
|                                                                                   |        |                                                                                   |                                | 71038-16    |        | Pkg. of 16  |          |
|                                                                                   |        |                                                                                   |                                | 71038-50    |        | Pkg. of 50  |          |
|                                                                                   |        |                                                                                   |                                | 71038-100   |        | Pkg. of 100 |          |

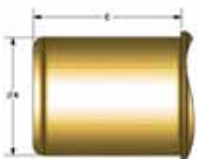
| Seal Style 5 - Solid Viton w/ Metal Jacket & Choker Spring                        |        |                                                                                   |                                |             |        |             |           |
|-----------------------------------------------------------------------------------|--------|-----------------------------------------------------------------------------------|--------------------------------|-------------|--------|-------------|-----------|
| Stem Diameter                                                                     | O.L    | Seal O.D.                                                                         | Designed for these guide specs |             |        |             | OEM REF.  |
| 5.5mm                                                                             | 0.315" | 0.455"                                                                            | A                              | B           | C      | D           | 420430420 |
|                                                                                   |        |                                                                                   | 0.325"±0.002"                  | 0.310"      | 0.110" | 0.220"      |           |
|  |        |  |                                | Part Number |        | Quantity    |           |
|                                                                                   |        |                                                                                   |                                | 71042-4     |        | Pkg. of 4   |           |
|                                                                                   |        |                                                                                   |                                | 71042-8     |        | Pkg. of 8   |           |
|                                                                                   |        |                                                                                   |                                | 71042-16    |        | Pkg. of 16  |           |
|                                                                                   |        |                                                                                   |                                | 71042-50    |        | Pkg. of 50  |           |
|                                                                                   |        |                                                                                   |                                | 71042-100   |        | Pkg. of 100 |           |

| Seal Style 5 - Solid Viton w/ Metal Jacket & Choker Spring                          |                                                                                     |             |                                |             |        |        |                 |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------|--------------------------------|-------------|--------|--------|-----------------|
| Stem Diameter                                                                       | O.L                                                                                 | Seal O.D.   | Designed for these guide specs |             |        |        | OEM REF.        |
| 6.0mm                                                                               | 0.371"                                                                              | 0.480"      | A                              | B           | C      | D      | 5H0-12119-00-00 |
|                                                                                     |                                                                                     |             | 0.385"±0.002"                  | 0.341"      | 0.120" | 0.255" |                 |
|  |  | Part Number |                                | Quantity    |        |        |                 |
|                                                                                     |                                                                                     | 71017-4     |                                | Pkg. of 4   |        |        |                 |
|                                                                                     |                                                                                     | 71017-8     |                                | Pkg. of 8   |        |        |                 |
|                                                                                     |                                                                                     | 71017-16    |                                | Pkg. of 16  |        |        |                 |
|                                                                                     |                                                                                     | 71017-50    |                                | Pkg. of 50  |        |        |                 |
|                                                                                     |                                                                                     | 71017-100   |                                | Pkg. of 100 |        |        |                 |

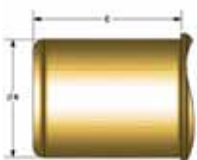
| Seal Style 5 - Solid Viton w/ Metal Jacket & Choker Spring                          |        |                                                                                     |                                |             |        |             |           |
|-------------------------------------------------------------------------------------|--------|-------------------------------------------------------------------------------------|--------------------------------|-------------|--------|-------------|-----------|
| Stem Diameter                                                                       | O.L    | Seal O.D.                                                                           | Designed for these guide specs |             |        |             | OEM REF.  |
| 6.0mm                                                                               | 0.400" | 0.560"                                                                              | A                              | B           | C      | D           | 711230510 |
|                                                                                     |        |                                                                                     | 0.435"±0.002"                  | 0.400"      | 0.120" | 0.285"      |           |
|  |        |  |                                | Part Number |        | Quantity    |           |
|                                                                                     |        |                                                                                     |                                | 71025-4     |        | Pkg. of 4   |           |
|                                                                                     |        |                                                                                     |                                | 71025-8     |        | Pkg. of 8   |           |
|                                                                                     |        |                                                                                     |                                | 71025-16    |        | Pkg. of 16  |           |
|                                                                                     |        |                                                                                     |                                | 71025-50    |        | Pkg. of 50  |           |
|                                                                                     |        |                                                                                     |                                | 71025-100   |        | Pkg. of 100 |           |

| Seal Style 5 - Solid Viton w/ Metal Jacket & Choker Spring                                                                                                              |        |           |                                |        |             |        |             |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|-----------|--------------------------------|--------|-------------|--------|-------------|
| Stem Diameter                                                                                                                                                           | O.L.   | Seal O.D. | Designed for these guide specs |        |             |        | OEM REF.    |
| 6.0mm                                                                                                                                                                   | 0.315" | 0.520"    | A                              | B      | C           | D      | 59036027000 |
|                                                                                                                                                                         |        |           | 0.435"±0.002"                  | 0.395" | 0.120"      | 0.210" |             |
|   |        |           | Part Number                    |        | Quantity    |        |             |
|                                                                                                                                                                         |        |           | 71029-4                        |        | Pkg. of 4   |        |             |
|                                                                                                                                                                         |        |           | 71029-8                        |        | Pkg. of 8   |        |             |
|                                                                                                                                                                         |        |           | 71029-16                       |        | Pkg. of 16  |        |             |
|                                                                                                                                                                         |        |           | 71029-50                       |        | Pkg. of 50  |        |             |
|                                                                                                                                                                         |        |           | 71029-100                      |        | Pkg. of 100 |        |             |

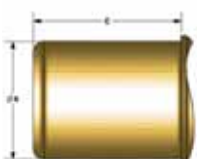
## Seal Style 5 - Solid Viton w/ Metal Jacket & Choker Spring

| Stem Diameter                                                                     | O.L                                                                               | Seal O.D.                                                                         | Designed for these guide specs |     |             |     | OEM REF. |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|--------------------------------|-----|-------------|-----|----------|
| 6.0mm                                                                             | 0.470"                                                                            | 0.590"                                                                            | A                              | B   | C           | D   | ---      |
|                                                                                   |                                                                                   |                                                                                   | 0.475"±0.002"                  | --- | 0.295"      | --- |          |
|  |  |  | Part Number                    |     | Quantity    |     |          |
|                                                                                   |                                                                                   |                                                                                   | 71049-4                        |     | Pkg. of 4   |     |          |
|                                                                                   |                                                                                   |                                                                                   | 71049-8                        |     | Pkg. of 8   |     |          |
|                                                                                   |                                                                                   |                                                                                   | 71049-16                       |     | Pkg. of 16  |     |          |
|                                                                                   |                                                                                   |                                                                                   | 71049-50                       |     | Pkg. of 50  |     |          |
|                                                                                   |                                                                                   |                                                                                   | 71049-100                      |     | Pkg. of 100 |     |          |

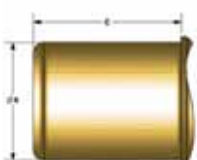
## Seal Style 5 - Solid Viton w/ Metal Jacket & Choker Spring

| Stem Diameter                                                                     | O.L                                                                               | Seal O.D.   | Designed for these guide specs |     |             |     | OEM REF. |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------|--------------------------------|-----|-------------|-----|----------|
| 6.0mm                                                                             | 0.524"                                                                            | 0.615"      | A                              | B   | C           | D   | ---      |
|                                                                                   |                                                                                   |             | 0.495"±0.002"                  | --- | 0.385"      | --- |          |
|  |  | Part Number |                                |     | Quantity    |     |          |
|                                                                                   |                                                                                   | 71031-4     |                                |     | Pkg. of 4   |     |          |
|                                                                                   |                                                                                   | 71031-8     |                                |     | Pkg. of 8   |     |          |
|                                                                                   |                                                                                   | 71031-16    |                                |     | Pkg. of 16  |     |          |
|                                                                                   |                                                                                   | 71031-50    |                                |     | Pkg. of 50  |     |          |
|                                                                                   |                                                                                   | 71031-100   |                                |     | Pkg. of 100 |     |          |

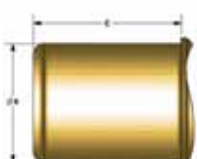
## Seal Style 5 - Solid Viton w/ Metal Jacket & Choker Spring

| Stem Diameter                                                                       | O.L                                                                                 | Seal O.D.   | Designed for these guide specs |     |             |     | OEM REF. |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------|--------------------------------|-----|-------------|-----|----------|
| 6.0mm                                                                               | 0.394"                                                                              | 0.555"      | A                              | B   | C           | D   | ---      |
|                                                                                     |                                                                                     |             | 0.447"±0.002"                  | --- | 0.265"      | --- |          |
|  |  | Part Number |                                |     | Quantity    |     |          |
|                                                                                     |                                                                                     | 71037-4     |                                |     | Pkg. of 4   |     |          |
|                                                                                     |                                                                                     | 71037-8     |                                |     | Pkg. of 8   |     |          |
|                                                                                     |                                                                                     | 71037-16    |                                |     | Pkg. of 16  |     |          |
|                                                                                     |                                                                                     | 71037-50    |                                |     | Pkg. of 50  |     |          |
|                                                                                     |                                                                                     | 71037-100   |                                |     | Pkg. of 100 |     |          |

## Seal Style 5 - Solid Viton w/ Metal Jacket & Choker Spring

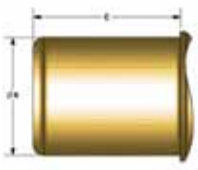
| Stem Diameter                                                                       | O.L                                                                                 | Seal O.D.   | Designed for these guide specs |     |             |     | OEM REF. |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------|--------------------------------|-----|-------------|-----|----------|
| 7.0mm                                                                               | 0.517"                                                                              | 0.550"      | A                              | B   | C           | D   | 022-1516 |
|                                                                                     |                                                                                     |             | 0.435"±0.002"                  | --- | 0.310"      | --- |          |
|  |  | Part Number |                                |     | Quantity    |     |          |
|                                                                                     |                                                                                     | 71026-4     |                                |     | Pkg. of 4   |     |          |
|                                                                                     |                                                                                     | 71026-8     |                                |     | Pkg. of 8   |     |          |
|                                                                                     |                                                                                     | 71026-16    |                                |     | Pkg. of 16  |     |          |
|                                                                                     |                                                                                     | 71026-50    |                                |     | Pkg. of 50  |     |          |
|                                                                                     |                                                                                     | 71026-100   |                                |     | Pkg. of 100 |     |          |

## Seal Style 5 - Solid Viton w/ Metal Jacket & Choker Spring

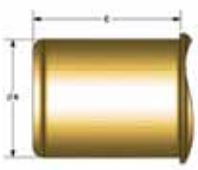
| Stem Diameter                                                                       | O.L                                                                                 | Seal O.D.   | Designed for these guide specs |     |             |     | OEM REF. |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------|--------------------------------|-----|-------------|-----|----------|
| 7.0mm                                                                               | 0.510"                                                                              | 0.665"      | A                              | B   | C           | D   | ---      |
|                                                                                     |                                                                                     |             | 0.560"±0.002"                  | --- | 0.375"      | --- |          |
|  |  | Part Number |                                |     | Quantity    |     |          |
|                                                                                     |                                                                                     | 71028-4     |                                |     | Pkg. of 4   |     |          |
|                                                                                     |                                                                                     | 71028-8     |                                |     | Pkg. of 8   |     |          |
|                                                                                     |                                                                                     | 71028-16    |                                |     | Pkg. of 16  |     |          |
|                                                                                     |                                                                                     | 71028-50    |                                |     | Pkg. of 50  |     |          |
|                                                                                     |                                                                                     | 71028-100   |                                |     | Pkg. of 100 |     |          |



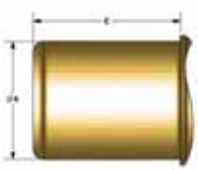
## Seal Style 5 - Solid Viton w/ Metal Jacket & Choker Spring

| Stem Diameter                                                                     | O.L                                                                               | Seal O.D.   | Designed for these guide specs |     |             |     | OEM REF.     |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------|--------------------------------|-----|-------------|-----|--------------|
| 7.0mm                                                                             | 0.360"                                                                            | 0.520"      | A                              | B   | C           | D   | 764.1.087.1A |
|                                                                                   |                                                                                   |             | 0.383"-0.389"                  | --- | 0.255"      | --- |              |
|  |  | Part Number |                                |     | Quantity    |     |              |
|                                                                                   |                                                                                   | 71044-4     |                                |     | Pkg. of 4   |     |              |
|                                                                                   |                                                                                   | 71044-8     |                                |     | Pkg. of 8   |     |              |
|                                                                                   |                                                                                   | 71044-16    |                                |     | Pkg. of 16  |     |              |
|                                                                                   |                                                                                   | 71044-50    |                                |     | Pkg. of 50  |     |              |
|                                                                                   |                                                                                   | 71044-100   |                                |     | Pkg. of 100 |     |              |

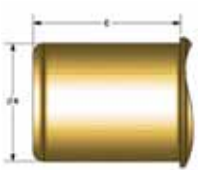
## Seal Style 5 - Solid Viton w/ Metal Jacket & Choker Spring

| Stem Diameter                                                                     | O.L                                                                               | Seal O.D.   | Designed for these guide specs |     |             |     | OEM REF.  |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------|--------------------------------|-----|-------------|-----|-----------|
| 8.0mm                                                                             | 0.374"                                                                            | 0.598"      | A                              | B   | C           | D   | E6TZ6571A |
|                                                                                   |                                                                                   |             | 0.472"±0.002"                  | --- | 0.265"      | --- |           |
|  |  | Part Number |                                |     | Quantity    |     |           |
|                                                                                   |                                                                                   | 71027-4     |                                |     | Pkg. of 4   |     |           |
|                                                                                   |                                                                                   | 71027-8     |                                |     | Pkg. of 8   |     |           |
|                                                                                   |                                                                                   | 71027-16    |                                |     | Pkg. of 16  |     |           |
|                                                                                   |                                                                                   | 71027-50    |                                |     | Pkg. of 50  |     |           |
|                                                                                   |                                                                                   | 71027-100   |                                |     | Pkg. of 100 |     |           |

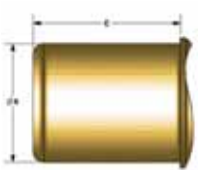
## Seal Style 5 - Solid Viton w/ Metal Jacket & Choker Spring

| Stem Diameter                                                                       | O.L                                                                                 | Seal O.D.   | Designed for these guide specs |     |             |     | OEM REF. |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------|--------------------------------|-----|-------------|-----|----------|
| 5/16"                                                                               | 0.412"                                                                              | 0.566"      | A                              | B   | C           | D   | 35178930 |
|                                                                                     |                                                                                     |             | 0.420"±0.002"                  | --- | 0.275"      | --- |          |
|  |  | Part Number |                                |     | Quantity    |     |          |
|                                                                                     |                                                                                     | 71010-4     |                                |     | Pkg. of 4   |     |          |
|                                                                                     |                                                                                     | 71010-8     |                                |     | Pkg. of 8   |     |          |
|                                                                                     |                                                                                     | 71010-16    |                                |     | Pkg. of 16  |     |          |
|                                                                                     |                                                                                     | 71010-50    |                                |     | Pkg. of 50  |     |          |
|                                                                                     |                                                                                     | 71010-100   |                                |     | Pkg. of 100 |     |          |

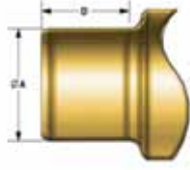
## Seal Style 5 - Solid Viton w/ Metal Jacket & Choker Spring

| Stem Diameter                                                                       | O.L                                                                                 | Seal O.D.   | Designed for these guide specs |             |        |     | OEM REF. |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------|--------------------------------|-------------|--------|-----|----------|
| 5/16"                                                                               | 0.514"                                                                              | 0.671"      | A                              | B           | C      | D   | ---      |
|                                                                                     |                                                                                     |             | 0.530"±0.002"                  | ---         | 0.330" | --- |          |
|  |  | Part Number |                                | Quantity    |        |     |          |
|                                                                                     |                                                                                     | 71045-4     |                                | Pkg. of 4   |        |     |          |
|                                                                                     |                                                                                     | 71045-8     |                                | Pkg. of 8   |        |     |          |
|                                                                                     |                                                                                     | 71045-16    |                                | Pkg. of 16  |        |     |          |
|                                                                                     |                                                                                     | 71045-50    |                                | Pkg. of 50  |        |     |          |
|                                                                                     |                                                                                     | 71045-100   |                                | Pkg. of 100 |        |     |          |

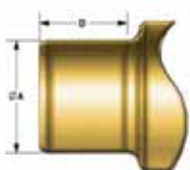
## Seal Style 5 - Solid Viton w/ Metal Jacket & Choker Spring

| Stem Diameter                                                                       | O.L                                                                                 | Seal O.D.   | Designed for these guide specs |     |             |     | OEM REF. |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------|--------------------------------|-----|-------------|-----|----------|
| 3/8"                                                                                | 0.516"                                                                              | 0.661"      | A                              | B   | C           | D   | ---      |
|                                                                                     |                                                                                     |             | 0.562"±0.002"                  | --- | 0.375"      | --- |          |
|  |  | Part Number |                                |     | Quantity    |     |          |
|                                                                                     |                                                                                     | 71011-4     |                                |     | Pkg. of 4   |     |          |
|                                                                                     |                                                                                     | 71011-8     |                                |     | Pkg. of 8   |     |          |
|                                                                                     |                                                                                     | 71011-16    |                                |     | Pkg. of 16  |     |          |
|                                                                                     |                                                                                     | 71011-50    |                                |     | Pkg. of 50  |     |          |
|                                                                                     |                                                                                     | 71011-100   |                                |     | Pkg. of 100 |     |          |

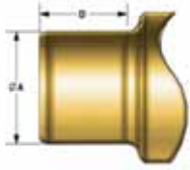
### Seal Style 6 - Solid PC w/ Metal Band & Choker Spring

| Stem Diameter                                                                     | O.L.                                                                              | Seal O.D.   | Designed for these guide specs |             |     |        | OEM REF. |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------|--------------------------------|-------------|-----|--------|----------|
| 5/16"                                                                             | 0.386"                                                                            | 0.512"      | A                              | B           | C   | D      | 5403212  |
|                                                                                   |                                                                                   |             | 0.425"±0.002"                  | ---         | --- | 0.235" |          |
|  |  | Part Number |                                | Quantity    |     |        |          |
|                                                                                   |                                                                                   | 71003-4     |                                | Pkg. of 4   |     |        |          |
|                                                                                   |                                                                                   | 71003-8     |                                | Pkg. of 8   |     |        |          |
|                                                                                   |                                                                                   | 71003-16    |                                | Pkg. of 16  |     |        |          |
|                                                                                   |                                                                                   | 71003-50    |                                | Pkg. of 50  |     |        |          |
|                                                                                   |                                                                                   | 71003-100   |                                | Pkg. of 100 |     |        |          |

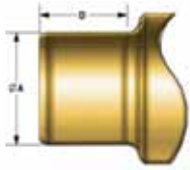
### Seal Style 6 - Solid PC w/ Metal Band & Choker Spring

| Stem Diameter                                                                     | O.L                                                                               | Seal O.D.   | Designed for these guide specs |             |     |        | OEM REF. |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------|--------------------------------|-------------|-----|--------|----------|
| 5/16"                                                                             | 0.510"                                                                            | 0.600"      | A                              | B           | C   | D      | ---      |
|                                                                                   |                                                                                   |             | 0.500"±0.002"                  | ---         | --- | 0.365" |          |
|  |  | Part Number |                                | Quantity    |     |        |          |
|                                                                                   |                                                                                   | 71006-4     |                                | Pkg. of 4   |     |        |          |
|                                                                                   |                                                                                   | 71006-8     |                                | Pkg. of 8   |     |        |          |
|                                                                                   |                                                                                   | 71006-16    |                                | Pkg. of 16  |     |        |          |
|                                                                                   |                                                                                   | 71006-50    |                                | Pkg. of 50  |     |        |          |
|                                                                                   |                                                                                   | 71006-100   |                                | Pkg. of 100 |     |        |          |

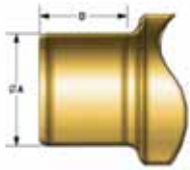
### Seal Style 6 - Solid PC w/ Metal Band & Choker Spring

| Stem Diameter                                                                       | O.L                                                                                 | Seal O.D.   | Designed for these guide specs |             |     |        | OEM REF. |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------|--------------------------------|-------------|-----|--------|----------|
| 5/16"                                                                               | 0.517"                                                                              | 0.510"      | A                              | B           | C   | D      | 8921209  |
|                                                                                     |                                                                                     |             | 0.415"±0.005"                  | ---         | --- | 0.350" |          |
|  |  | Part Number |                                | Quantity    |     |        |          |
|                                                                                     |                                                                                     | 71008-4     |                                | Pkg. of 4   |     |        |          |
|                                                                                     |                                                                                     | 71008-8     |                                | Pkg. of 8   |     |        |          |
|                                                                                     |                                                                                     | 71008-16    |                                | Pkg. of 16  |     |        |          |
|                                                                                     |                                                                                     | 71008-50    |                                | Pkg. of 50  |     |        |          |
|                                                                                     |                                                                                     | 71008-100   |                                | Pkg. of 100 |     |        |          |

### Seal Style 6 - Solid PC w/ Metal Band & Choker Spring

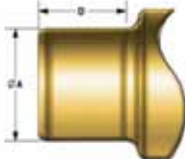
| Stem Diameter                                                                       | O.L                                                                                 | Seal O.D.   | Designed for these guide specs |             |     |        | OEM REF. |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------|--------------------------------|-------------|-----|--------|----------|
| 5/16"                                                                               | 0.506"                                                                              | 0.632"      | A                              | B           | C   | D      | ---      |
|                                                                                     |                                                                                     |             | 0.530"±0.002"                  | ---         | --- | 0.365" |          |
|  |  | Part Number |                                | Quantity    |     |        |          |
|                                                                                     |                                                                                     | 71009-4     |                                | Pkg. of 4   |     |        |          |
|                                                                                     |                                                                                     | 71009-8     |                                | Pkg. of 8   |     |        |          |
|                                                                                     |                                                                                     | 71009-16    |                                | Pkg. of 16  |     |        |          |
|                                                                                     |                                                                                     | 71009-50    |                                | Pkg. of 50  |     |        |          |
|                                                                                     |                                                                                     | 71009-100   |                                | Pkg. of 100 |     |        |          |

### Seal Style 6 - Solid PC w/ Metal Band & Choker Spring

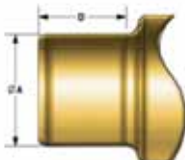
| Stem Diameter                                                                       | O.L                                                                                 | Seal O.D.   | Designed for these guide specs |             |     |        | OEM REF. |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------|--------------------------------|-------------|-----|--------|----------|
| 11/32"                                                                              | 0.510"                                                                              | 0.596"      | A                              | B           | C   | D      | ---      |
|                                                                                     |                                                                                     |             | 0.500"±0.002"                  | ---         | --- | 0.360" |          |
|  |  | Part Number |                                | Quantity    |     |        |          |
|                                                                                     |                                                                                     | 71005-4     |                                | Pkg. of 4   |     |        |          |
|                                                                                     |                                                                                     | 71005-8     |                                | Pkg. of 8   |     |        |          |
|                                                                                     |                                                                                     | 71005-16    |                                | Pkg. of 16  |     |        |          |
|                                                                                     |                                                                                     | 71005-50    |                                | Pkg. of 50  |     |        |          |
|                                                                                     |                                                                                     | 71005-100   |                                | Pkg. of 100 |     |        |          |



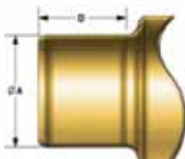
### Seal Style 6 - Solid PC w/ Metal Band & Choker Spring

| Stem Diameter                                                                     | O.L.                                                                              | Seal O.D.   | Designed for these guide specs |             |     |        | OEM REF. |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------|--------------------------------|-------------|-----|--------|----------|
| 11/32"                                                                            | 0.514"                                                                            | 0.654"      | A                              | B           | C   | D      | ---      |
|                                                                                   |                                                                                   |             | 0.562"±0.002"                  | ---         | --- | 0.345" |          |
|  |  | Part Number |                                | Quantity    |     |        |          |
|                                                                                   |                                                                                   | 71007-4     |                                | Pkg. of 4   |     |        |          |
|                                                                                   |                                                                                   | 71007-8     |                                | Pkg. of 8   |     |        |          |
|                                                                                   |                                                                                   | 71007-16    |                                | Pkg. of 16  |     |        |          |
|                                                                                   |                                                                                   | 71007-50    |                                | Pkg. of 50  |     |        |          |
|                                                                                   |                                                                                   | 71007-100   |                                | Pkg. of 100 |     |        |          |

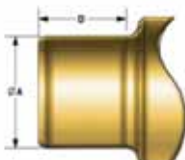
### Seal Style 6 - Solid PC w/ Metal Band & Choker Spring

| Stem Diameter                                                                     | O.L                                                                               | Seal O.D.   | Designed for these guide specs |             |     |        | OEM REF. |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------|--------------------------------|-------------|-----|--------|----------|
| 3/8"                                                                              | 0.502"                                                                            | 0.626"      | A                              | B           | C   | D      | ---      |
|                                                                                   |                                                                                   |             | 0.530"±0.002"                  | ---         | --- | 0.350" |          |
|  |  | Part Number |                                | Quantity    |     |        |          |
|                                                                                   |                                                                                   | 71001-4     |                                | Pkg. of 4   |     |        |          |
|                                                                                   |                                                                                   | 71001-8     |                                | Pkg. of 8   |     |        |          |
|                                                                                   |                                                                                   | 71001-16    |                                | Pkg. of 16  |     |        |          |
|                                                                                   |                                                                                   | 71001-50    |                                | Pkg. of 50  |     |        |          |
|                                                                                   |                                                                                   | 71001-100   |                                | Pkg. of 100 |     |        |          |

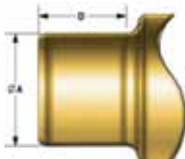
### Seal Style 6 - Solid PC w/ Metal Band & Choker Spring

| Stem Diameter                                                                       | O.L                                                                                 | Seal O.D.   | Designed for these guide specs |             |     |        | OEM REF. |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------|--------------------------------|-------------|-----|--------|----------|
| 3/8"                                                                                | 0.518"                                                                              | 0.650"      | A                              | B           | C   | D      | ---      |
|                                                                                     |                                                                                     |             | 0.562"±0.002"                  | ---         | --- | 0.365" |          |
|  |  | Part Number |                                | Quantity    |     |        |          |
|                                                                                     |                                                                                     | 71002-4     |                                | Pkg. of 4   |     |        |          |
|                                                                                     |                                                                                     | 71002-8     |                                | Pkg. of 8   |     |        |          |
|                                                                                     |                                                                                     | 71002-16    |                                | Pkg. of 16  |     |        |          |
|                                                                                     |                                                                                     | 71002-50    |                                | Pkg. of 50  |     |        |          |
|                                                                                     |                                                                                     | 71002-100   |                                | Pkg. of 100 |     |        |          |

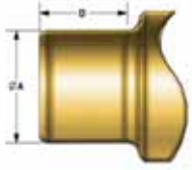
### Seal Style 6 - Solid PC w/ Metal Band & Choker Spring

| Stem Diameter                                                                       | O.L                                                                                 | Seal O.D.   | Designed for these guide specs |             |     |        | OEM REF. |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------|--------------------------------|-------------|-----|--------|----------|
| 3/8"                                                                                | 0.507"                                                                              | 0.600"      | A                              | B           | C   | D      | ---      |
|                                                                                     |                                                                                     |             | 0.500"±0.002"                  | ---         | --- | 0.355" |          |
|  |  | Part Number |                                | Quantity    |     |        |          |
|                                                                                     |                                                                                     | 71004-4     |                                | Pkg. of 4   |     |        |          |
|                                                                                     |                                                                                     | 71004-8     |                                | Pkg. of 8   |     |        |          |
|                                                                                     |                                                                                     | 71004-16    |                                | Pkg. of 16  |     |        |          |
|                                                                                     |                                                                                     | 71004-50    |                                | Pkg. of 50  |     |        |          |
|                                                                                     |                                                                                     | 71004-100   |                                | Pkg. of 100 |     |        |          |

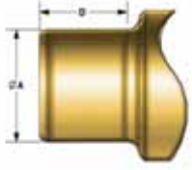
### Seal Style 7 - H.D. OEM Style Solid Teflon w/ a Metal Jacket

| Stem Diameter                                                                       | O.L                                                                                 | Seal O.D.   | Designed for these guide specs |             |     |        | OEM REF.  |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------|--------------------------------|-------------|-----|--------|-----------|
| 5/16"                                                                               | 0.385"                                                                              | 0.565"      | A                              | B           | C   | D      | 18001-83B |
|                                                                                     |                                                                                     |             | 0.420"±0.002"                  | ---         | --- | 0.315" |           |
|  |  | Part Number |                                | Quantity    |     |        |           |
|                                                                                     |                                                                                     | 71032-4     |                                | Pkg. of 4   |     |        |           |
|                                                                                     |                                                                                     | 71032-8     |                                | Pkg. of 8   |     |        |           |
|                                                                                     |                                                                                     | 71032-16    |                                | Pkg. of 16  |     |        |           |
|                                                                                     |                                                                                     | 71032-50    |                                | Pkg. of 50  |     |        |           |
|                                                                                     |                                                                                     | 71032-100   |                                | Pkg. of 100 |     |        |           |

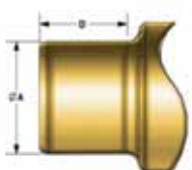
## Seal Style 7 - H.D. OEM Style Solid Teflon w/ a Metal Jacket

| Stem Diameter                                                                     | O.L                                                                               | Seal O.D.   | Designed for these guide specs |             |     |        | OEM REF. |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------|--------------------------------|-------------|-----|--------|----------|
| 5/16"                                                                             | 0.375"                                                                            | 0.630"      | A                              | B           | C   | D      | 1804698  |
|                                                                                   |                                                                                   |             | 0.530"±0.002"                  | ---         | --- | 0.295" |          |
|  |  | Part Number |                                | Quantity    |     |        |          |
|                                                                                   |                                                                                   | 71033-4     |                                | Pkg. of 4   |     |        |          |
|                                                                                   |                                                                                   | 71033-8     |                                | Pkg. of 8   |     |        |          |
|                                                                                   |                                                                                   | 71033-16    |                                | Pkg. of 16  |     |        |          |
|                                                                                   |                                                                                   | 71033-50    |                                | Pkg. of 50  |     |        |          |
|                                                                                   |                                                                                   | 71033-100   |                                | Pkg. of 100 |     |        |          |

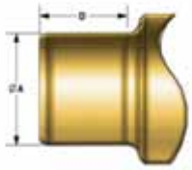
## Seal Style 7 - H.D. OEM Style Solid Teflon w/ a Metal Jacket

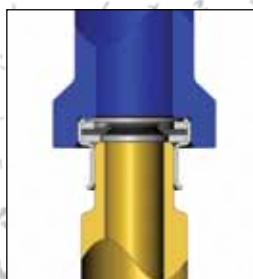
| Stem Diameter                                                                     | O.L                                                                               | Seal O.D.   | Designed for these guide specs |             |     |        | OEM REF. |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------|--------------------------------|-------------|-----|--------|----------|
| 11/32"                                                                            | 0.375"                                                                            | 0.630"      | A                              | B           | C   | D      | ---      |
|                                                                                   |                                                                                   |             | 0.530"±0.002"                  | ---         | --- | 0.295" |          |
|  |  | Part Number |                                | Quantity    |     |        |          |
|                                                                                   |                                                                                   | 71034-4     |                                | Pkg. of 4   |     |        |          |
|                                                                                   |                                                                                   | 71034-8     |                                | Pkg. of 8   |     |        |          |
|                                                                                   |                                                                                   | 71034-16    |                                | Pkg. of 16  |     |        |          |
|                                                                                   |                                                                                   | 71034-50    |                                | Pkg. of 50  |     |        |          |
|                                                                                   |                                                                                   | 71034-100   |                                | Pkg. of 100 |     |        |          |

## Seal Style 7 - H.D. OEM Style Solid Teflon w/ a Metal Jacket

| Stem Diameter                                                                       | O.L                                                                                 | Seal O.D.   | Designed for these guide specs |             |     |        | OEM REF. |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------|--------------------------------|-------------|-----|--------|----------|
| 3/8"                                                                                | 0.375"                                                                              | 0.660"      | A                              | B           | C   | D      | ---      |
|                                                                                     |                                                                                     |             | 0.562"±0.002"                  | ---         | --- | 0.315" |          |
|  |  | Part Number |                                | Quantity    |     |        |          |
|                                                                                     |                                                                                     | 71035-4     |                                | Pkg. of 4   |     |        |          |
|                                                                                     |                                                                                     | 71035-8     |                                | Pkg. of 8   |     |        |          |
|                                                                                     |                                                                                     | 71035-16    |                                | Pkg. of 16  |     |        |          |
|                                                                                     |                                                                                     | 71035-50    |                                | Pkg. of 50  |     |        |          |
|                                                                                     |                                                                                     | 71035-100   |                                | Pkg. of 100 |     |        |          |

## Seal Style 7 - H.D. OEM Style Solid Teflon w/ a Metal Jacket

| Stem Diameter                                                                       | O.L                                                                                 | Seal O.D.   | Designed for these guide specs |             |     |        | OEM REF. |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------|--------------------------------|-------------|-----|--------|----------|
| 3/8"                                                                                | 0.400"                                                                              | 0.720"      | A                              | B           | C   | D      | 1800081  |
|                                                                                     |                                                                                     |             | 0.625"±0.002"                  | ---         | --- | 0.310" |          |
|  |  | Part Number |                                | Quantity    |     |        |          |
|                                                                                     |                                                                                     | 71036-4     |                                | Pkg. of 4   |     |        |          |
|                                                                                     |                                                                                     | 71036-8     |                                | Pkg. of 8   |     |        |          |
|                                                                                     |                                                                                     | 71036-16    |                                | Pkg. of 16  |     |        |          |
|                                                                                     |                                                                                     | 71036-50    |                                | Pkg. of 50  |     |        |          |
|                                                                                     |                                                                                     | 71036-100   |                                | Pkg. of 100 |     |        |          |



Seal Installation Detail



Seal Installation Tool  
P/N 20-20335

The Installation tools for OE style seals are manufactured from high strength 6061-T6 Aluminum for increased durability when compared to plastic installers. The tools are designed for precision fitment onto the seal OD to help the builder center the seal over the valve guide so that a few light strikes from a hammer will set the seal. Radiused top striking surface reduces the likelihood of a burr forming from deformation.

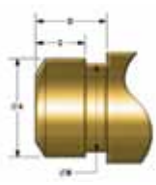
Each installation tool is color coded and laser marked for each seal size by guide diameter. For more information visit [KPML.US](http://KPML.US)



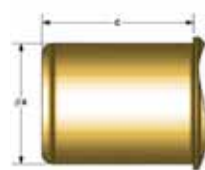
## BSA® B25™ 1968-1971 (2-Valve) Seal Kit

| IN / Ex Stem Diameter |  |  | O.L    | Seal O.D. | Designed for these guide specs |        |        |        |
|-----------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|--------|-----------|--------------------------------|--------|--------|--------|
|                       |                                                                                   |                                                                                   |        |           | A                              | B      | C      | D      |
| 5/16"                 |                                                                                   |                                                                                   | 0.465" | 0.550"    | 0.500"±0.010"                  | 0.445" | 0.230" | 0.280" |
| Part Number           |                                                                                   | Kit includes : 2- Intake / Exhaust Seals (Style 1)                                |        |           |                                |        |        |        |
| 71012-2               |                                                                                   |                                                                                   |        |           |                                |        |        |        |

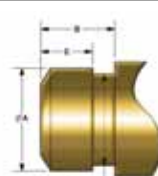
## BSA® Rocket III™ 1969-1972 (6-Valve) Seal Kit

| IN / Ex Stem Diameter |  |  | O.L    | Seal O.D. | Designed for these guide specs |        |        |        |
|-----------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|--------|-----------|--------------------------------|--------|--------|--------|
|                       |                                                                                   |                                                                                   |        |           | A                              | B      | C      | D      |
| 5/16"                 |                                                                                   |                                                                                   | 0.465" | 0.550"    | 0.500"±0.010"                  | 0.445" | 0.230" | 0.280" |
| Part Number           |                                                                                   | Kit includes : 6- Intake / Exhaust Seals (Style 1)                                |        |           |                                |        |        |        |
| 71012-6               |                                                                                   |                                                                                   |        |           |                                |        |        |        |

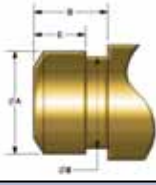
## Can Am® Maverick X3™ (Max/ Turbo's) 2017-'18 / Maverick™ (Max / Turbo's) 2019-'22/ Spark™ (ACE / 900 / HO / TRIXX) 2014-'22 / GTI-GTR-GTS™ 2017 GTI™ 90 2018-2022 / GTS™ 90 2018 / (12-Valve) Seal Kit

| IN / Ex Stem Diameter |  |  | O.L    | Seal O.D. | Designed for these guide specs |     |        | Spring Shoulder Dia. |
|-----------------------|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|--------|-----------|--------------------------------|-----|--------|----------------------|
|                       |                                                                                    |                                                                                    |        |           | A                              | B   | C      |                      |
| 5.0mm                 |                                                                                    |                                                                                    | 0.460" | 0.975"    | 0.355 ± 0.005                  | --- | 0.290" | 0.674"               |
| Part Number           |                                                                                    | Kit includes : 12- Intake / Exhaust Seals (Style 3)                                |        |           |                                |     |        |                      |
| 71047-12              |                                                                                    |                                                                                    |        |           |                                |     |        |                      |

## Honda® CRF™ / XR™ 75-100 1973-2013 (2-Valve) Seal Kit

| IN / Ex Stem Diameter |  |  | O.L    | Seal O.D. | Designed for these guide specs |        |        |        |
|-----------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------|-----------|--------------------------------|--------|--------|--------|
|                       |                                                                                     |                                                                                     |        |           | A                              | B      | C      | D      |
| 5.5mm                 |                                                                                     |                                                                                     | 0.320" | 0.440"    | 0.358"±0.005"                  | 0.320" | 0.115" | 0.225" |
| Part Number           |                                                                                     | Kit includes : 2- Intake / Exhaust Seals (Style 4)                                  |        |           |                                |        |        |        |
| 71016-2               |                                                                                     |                                                                                     |        |           |                                |        |        |        |

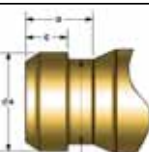
## Honda® ATC™ 185 / 200 1980-1986 • XL™ 200R/ XR™ 200 / XR™ 200R 1980-2002 XR™ 200R / XR™ 250R / XL™ 250R RFVC 1984-1985 (2-Valve) Seal Kit

| IN / Ex Stem Diameter |  |  | O.L    | Seal O.D. | Designed for these guide specs |        |        |        |
|-----------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------|-----------|--------------------------------|--------|--------|--------|
|                       |                                                                                     |                                                                                     |        |           | A                              | B      | C      | D      |
| 5.5mm                 |                                                                                     |                                                                                     | 0.320" | 0.440"    | 0.358"±0.005"                  | 0.320" | 0.115" | 0.225" |
| Part Number           |                                                                                     | Kit includes : 2- Intake / Exhaust Seals (Style 4)                                  |        |           |                                |        |        |        |
| 71016-2               |                                                                                     |                                                                                     |        |           |                                |        |        |        |

| Honda® CRF™ 450R 2002-2008 (4-Valve) Seal Kit |                                                                                   |                                                                                   |        |           |                                |        |        |        |
|-----------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|--------|-----------|--------------------------------|--------|--------|--------|
| Intake Stem Diameter                          |  |  | O.L    | Seal O.D. | Designed for these guide specs |        |        |        |
|                                               |                                                                                   |                                                                                   |        |           | A                              | B      | C      | D      |
| 5.5mm                                         |                                                                                   |                                                                                   | 0.320" | 0.440"    | 0.358"±0.005"                  | 0.320" | 0.115" | 0.225" |
| Exhaust Stem Diameter                         |  |  | O.L    | Seal O.D. | Designed for these guide specs |        |        |        |
|                                               |                                                                                   |                                                                                   |        |           | A                              | B      | C      | D      |
| 5.0mm                                         |                                                                                   |                                                                                   | 0.350" | 0.405"    | 0.340"±0.005"                  | 0.303" | 0.125" | 0.230" |
| Part Number                                   |                                                                                   | Kit includes : 2 - Intake Seals (Style 4) and 2 - Exhaust Seals (Style 4)         |        |           |                                |        |        |        |
| 30-30550                                      |                                                                                   |                                                                                   |        |           |                                |        |        |        |

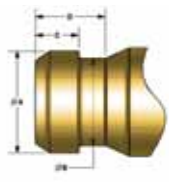
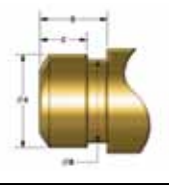
| Honda® CRF™ 450X 2005-2017 (4-Valve) Seal Kit |                                                                                   |                                                                                   |        |           |                                |        |        |        |
|-----------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|--------|-----------|--------------------------------|--------|--------|--------|
| Intake Stem Diameter                          |  |  | O.L    | Seal O.D. | Designed for these guide specs |        |        |        |
|                                               |                                                                                   |                                                                                   |        |           | A                              | B      | C      | D      |
| 5.5mm                                         |                                                                                   |                                                                                   | 0.320" | 0.440"    | 0.358"±0.005"                  | 0.320" | 0.115" | 0.225" |
| Exhaust Stem Diameter                         |  |  | O.L    | Seal O.D. | Designed for these guide specs |        |        |        |
|                                               |                                                                                   |                                                                                   |        |           | A                              | B      | C      | D      |
| 5.0mm                                         |                                                                                   |                                                                                   | 0.350" | 0.405"    | 0.340"±0.005"                  | 0.303" | 0.125" | 0.230" |
| Part Number                                   |                                                                                   | Kit includes : 2 - Intake Seals (Style 4) and 2 - Exhaust Seals (Style 4)         |        |           |                                |        |        |        |
| 30-31570                                      |                                                                                   |                                                                                   |        |           |                                |        |        |        |

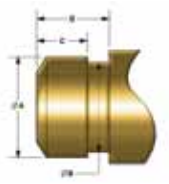
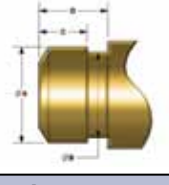
| Honda® TRX™ 450R / ER 2006-2014 (4-Valve) Seal Kit |                                                                                     |                                                                                     |        |           |                                |        |        |        |
|----------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------|-----------|--------------------------------|--------|--------|--------|
| Intake Stem Diameter                               |  |  | O.L    | Seal O.D. | Designed for these guide specs |        |        |        |
|                                                    |                                                                                     |                                                                                     |        |           | A                              | B      | C      | D      |
| 5.5mm                                              |                                                                                     |                                                                                     | 0.320" | 0.440"    | 0.358"±0.005"                  | 0.320" | 0.115" | 0.225" |
| Exhaust Stem Diameter                              |  |  | O.L    | Seal O.D. | Designed for these guide specs |        |        |        |
|                                                    |                                                                                     |                                                                                     |        |           | A                              | B      | C      | D      |
| 5.0mm                                              |                                                                                     |                                                                                     | 0.350" | 0.405"    | 0.340"±0.005"                  | 0.303" | 0.125" | 0.230" |
| Part Number                                        |                                                                                     | Kit includes : 2 - Intake Seals (Style 4) and 2 - Exhaust Seals (Style 4)           |        |           |                                |        |        |        |
| 30-30980                                           |                                                                                     |                                                                                     |        |           |                                |        |        |        |

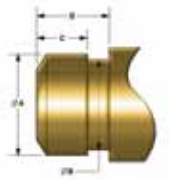
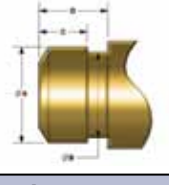
| KTM® XC4 Engines 400-530cc 2008-2013 (4-Valve) Seal Kit |                                                                                     |                                                                                     |        |           |                                |        |        |        |
|---------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------|-----------|--------------------------------|--------|--------|--------|
| Intake Stem Diameter                                    |  |  | O.L    | Seal O.D. | Designed for these guide specs |        |        |        |
|                                                         |                                                                                     |                                                                                     |        |           | A                              | B      | C      | D      |
| 6.0mm                                                   |                                                                                     |                                                                                     | 0.315" | 0.520"    | 0.435"±0.002"                  | 0.395" | 0.120" | 0.215" |
| Exhaust Stem Diameter                                   |  |  | O.L    | Seal O.D. | Designed for these guide specs |        |        |        |
|                                                         |                                                                                     |                                                                                     |        |           | A                              | B      | C      | D      |
| 5.0mm                                                   |                                                                                     |                                                                                     | 0.320" | 0.435"    | 0.305"±0.002"                  | 0.265" | 0.100" | 0.195" |
| Part Number                                             |                                                                                     | Kit includes : 2- Intake Seals (Style 5) and 2 - Exhaust Seals (Style 5)            |        |           |                                |        |        |        |
| 96-96380                                                |                                                                                     |                                                                                     |        |           |                                |        |        |        |



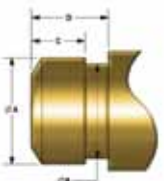
| Yamaha® Raptor™ 250 2008-2013 (2-Valve) Seal Kit |                                                                                   |                                                                                   |        |           |                                |        |        |        |
|--------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|--------|-----------|--------------------------------|--------|--------|--------|
| IN / Ex Stem Diameter                            |  |  | O.L    | Seal O.D. | Designed for these guide specs |        |        |        |
|                                                  |                                                                                   |                                                                                   |        |           | A                              | B      | C      | D      |
| 6.0mm                                            |                                                                                   |                                                                                   | 0.371" | 0.480"    | 0.385"±0.002"                  | 0.341" | 0.120" | 0.255" |
| Part Number                                      |                                                                                   | Kit includes : 2- Intake / Exhaust Seals (Style 5)                                |        |           |                                |        |        |        |
| 71017-2                                          |                                                                                   |                                                                                   |        |           |                                |        |        |        |

| Yamaha® WR™ / YZ 250F™ 2001-2013 (5-Valve) Seal Kit |                                                                                   |                                                                                   |        |           |                                |        |        |        |
|-----------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|--------|-----------|--------------------------------|--------|--------|--------|
| Intake Stem Diameter                                |  |  | O.L    | Seal O.D. | Designed for these guide specs |        |        |        |
|                                                     |                                                                                   |                                                                                   |        |           | A                              | B      | C      | D      |
| 4.0mm                                               |                                                                                   |                                                                                   | 0.320" | 0.355"    | 0.285"±0.002"                  | 0.245" | 0.120" | 0.215" |
| Exhaust Stem Diameter                               |  |  | O.L    | Seal O.D. | Designed for these guide specs |        |        |        |
|                                                     |                                                                                   |                                                                                   |        |           | A                              | B      | C      | D      |
| 4.5mm                                               |                                                                                   |                                                                                   | 0.331" | 0.370"    | 0.321"±0.002"                  | 0.281" | 0.120" | 0.240" |
| Part Number                                         |                                                                                   | Kit includes : 3 - Intake Seals (Style 5) and 2 - Exhaust Seals (Style 4)         |        |           |                                |        |        |        |
| 80-80440                                            |                                                                                   |                                                                                   |        |           |                                |        |        |        |

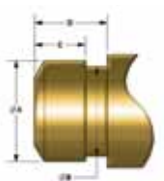
| Yamaha® YZ™ 250F 2014-'18 / WR™ 250F & YZ™ 250FX 2014-'19 (4-Valve) Seal Kit |                                                                                     |                                                                                     |        |           |                                |        |        |        |
|------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------|-----------|--------------------------------|--------|--------|--------|
| Intake Stem Diameter                                                         |  |  | O.L    | Seal O.D. | Designed for these guide specs |        |        |        |
|                                                                              |                                                                                     |                                                                                     |        |           | A                              | B      | C      | D      |
| 5.0mm                                                                        |                                                                                     |                                                                                     | 0.350" | 0.405"    | 0.340"±0.005"                  | 0.303" | 0.125" | 0.230" |
| Exhaust Stem Diameter                                                        |  |  | O.L    | Seal O.D. | Designed for these guide specs |        |        |        |
|                                                                              |                                                                                     |                                                                                     |        |           | A                              | B      | C      | D      |
| 4.5mm                                                                        |                                                                                     |                                                                                     | 0.331" | 0.370"    | 0.321"±0.002"                  | 0.281" | 0.120" | 0.240" |
| Part Number                                                                  |                                                                                     | Kit includes : 2 - Intake Seals (Style 4) and 2 - Exhaust Seals (Style 4)           |        |           |                                |        |        |        |
| 80-80990                                                                     |                                                                                     |                                                                                     |        |           |                                |        |        |        |

| YAMAHA® YZ™ 250F 2019-'22 / WR™ 250F & 250FX 2020-'22 (4-Valve) Seal Kit |                                                                                     |                                                                                     |        |           |                                |        |        |        |
|--------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------|-----------|--------------------------------|--------|--------|--------|
| Intake Stem Diameter                                                     |  |  | O.L    | Seal O.D. | Designed for these guide specs |        |        |        |
|                                                                          |                                                                                     |                                                                                     |        |           | A                              | B      | C      | D      |
| 5.0mm                                                                    |                                                                                     |                                                                                     | 0.350" | 0.405"    | 0.340"±0.005"                  | 0.303" | 0.125" | 0.230" |
| Exhaust Stem Diameter                                                    |  |  | O.L    | Seal O.D. | Designed for these guide specs |        |        |        |
|                                                                          |                                                                                     |                                                                                     |        |           | A                              | B      | C      | D      |
| 4.5mm                                                                    |                                                                                     |                                                                                     | 0.331" | 0.370"    | 0.321"±0.002"                  | 0.281" | 0.120" | 0.240" |
| Part Number                                                              |                                                                                     | Kit includes : 2 - Intake Seals (Style 4) and 2 - Exhaust Seals (Style 4)           |        |           |                                |        |        |        |
| 80-82345                                                                 |                                                                                     |                                                                                     |        |           |                                |        |        |        |

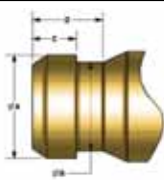
## Yamaha® WR™ / YZ™ 400F / 426F 1998-2002 (5-Valve) Seal Kit

| IN / Ex Stem Diameter |  |  | O.L    | Seal O.D. | Designed for these guide specs |        |        |        |
|-----------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|--------|-----------|--------------------------------|--------|--------|--------|
|                       |                                                                                   |                                                                                   |        |           | A                              | B      | C      | D      |
| 4.5mm                 |                                                                                   |                                                                                   | 0.331" | 0.370"    | 0.321"±0.002"                  | 0.281" | 0.120" | 0.240" |
| Part Number           |                                                                                   | Kit includes : 5 - Intake / Exhaust Seals (Style 4)                               |        |           |                                |        |        |        |
| 80-80106              |                                                                                   |                                                                                   |        |           |                                |        |        |        |

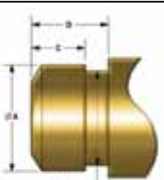
## Yamaha® Various 450cc 2003-2020 (5-Valve) Seal Kit

| IN / Ex Stem Diameter |  |  | O.L    | Seal O.D. | Designed for these guide specs |        |        |        |
|-----------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|--------|-----------|--------------------------------|--------|--------|--------|
|                       |                                                                                   |                                                                                   |        |           | A                              | B      | C      | D      |
| 4.5mm / 5.0mm         |                                                                                   |                                                                                   | 0.331" | 0.370"    | 0.321"±0.002"                  | 0.281" | 0.120" | 0.240" |
| Part Number           |                                                                                   | Kit includes : 5 - Intake / Exhaust Seals (Style 4)                               |        |           |                                |        |        |        |
| 80-80710              |                                                                                   |                                                                                   |        |           |                                |        |        |        |

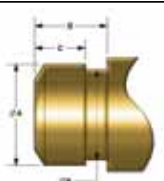
## Yamaha® Various 660's 2001-2008 (5-Valve) Seal Kit

| IN / Ex Stem Diameter |  |  | O.L    | Seal O.D. | Designed for these guide specs |        |        |        |
|-----------------------|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|--------|-----------|--------------------------------|--------|--------|--------|
|                       |                                                                                    |                                                                                    |        |           | A                              | B      | C      | D      |
| 6.0mm                 |                                                                                    |                                                                                    | 0.371" | 0.480"    | 0.385"±0.002"                  | 0.341" | 0.120" | 0.255" |
| Part Number           |                                                                                    | Kit includes : 5- Intake / Exhaust Seals (Style 5)                                 |        |           |                                |        |        |        |
| 71017-5               |                                                                                    |                                                                                    |        |           |                                |        |        |        |

## Yamaha® APEX™ / RX-1 (All Models) 2003-2010 MR-1 Watercraft Engines 2002-2013 (20-Valve) Seal Kit

| IN / Ex Stem Diameter |  |  | O.L    | Seal O.D. | Designed for these guide specs |        |        |        |
|-----------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------|-----------|--------------------------------|--------|--------|--------|
|                       |                                                                                     |                                                                                     |        |           | A                              | B      | C      | D      |
| 4.5mm                 |                                                                                     |                                                                                     | 0.331" | 0.370"    | 0.321"±0.002"                  | 0.281" | 0.120" | 0.240" |
| Part Number           |                                                                                     | Kit includes : 20- Intake / Exhaust Seals (Style 4)                                 |        |           |                                |        |        |        |
| 71014-20              |                                                                                     |                                                                                     |        |           |                                |        |        |        |

## Arctic Cat® Various 998cc Triples 2017-2022 Yamaha® SRViper™ 2014-2015 / Various 1049cc Triples 2008-2015 YXZ™ 1000R 2016-2022/ FX Nytro™ 2008-2014 (12-Valve) Seal Kit

| IN / Ex Stem Diameter |  |  | O.L    | Seal O.D. | Designed for these guide specs |        |        |        |
|-----------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------|-----------|--------------------------------|--------|--------|--------|
|                       |                                                                                     |                                                                                     |        |           | A                              | B      | C      | D      |
| 4.5mm                 |                                                                                     |                                                                                     | 0.331" | 0.370"    | 0.321"±0.002"                  | 0.281" | 0.120" | 0.240" |
| Part Number           |                                                                                     | Kit includes : 12- Intake / Exhaust Seals (Style 4)                                 |        |           |                                |        |        |        |
| 71014-12              |                                                                                     |                                                                                     |        |           |                                |        |        |        |



# KPMI® Seal Part Numbers Assigned to Applications

If specific application is not listed, use the diagram and specifications to determine correct valve guide seal part number.

| KPMI P/N         | APPLICATIONS                                             |
|------------------|----------------------------------------------------------|
| <b>71014-12</b>  | ARCTIC CAT® VARIOUS 998cc Triple 2017-'22                |
| <b>71016-8</b>   | ARCTIC CAT® VARIOUS 1056cc TWINS 2008-'16                |
| <b>71029-4</b>   | BRP ® • CAN AM® DS 450™ 2008-2015                        |
| <b>71041-4</b>   | BRP ® • CAN AM® OUTLANDER 330 / 400cc 2004-'15 (4 Valve) |
| <b>71041-8</b>   | BRP ® • CAN AM® VARIOUS 500 -1000cc Twins 2006-'20       |
| <b>71025-4</b>   | BRP ® • CAN AM ® DS™ 650 2000-2007                       |
| <b>71042-8</b>   | BRP ® • CAN AM® Various 850-1000cc 2013-2020             |
| <b>71019-4</b>   | BRP ® • ROTAX ® AIR COOLED SINGLES 500 / 600 1982-'06    |
| <b>71012-2</b>   | BSA® B25™ 1968-1971                                      |
| <b>71012-6</b>   | BSA® ROCKET III™ 1969-1972                               |
| <b>71043-4</b>   | Ducati® 750 GT™ 1971-1974                                |
| <b>71043-4</b>   | Ducati® 750/ 906 1986-1990                               |
| <b>71044-4</b>   | Ducati® SBK™ 851/ 888/ 916 1987-1998                     |
| <b>71043-4</b>   | Ducati® 900/ 800 2000-2007                               |
| <b>71044-4</b>   | Ducati® Various 696/ 796/ 1000/ 1100 2003-2010           |
| <b>71011-4</b>   | HD® PANHEAD™ 1948-1965                                   |
| <b>71002-4</b>   | HD® PANHEAD™ 1948-1965                                   |
| <b>71035-4</b>   | HD® PANHEAD™ 1948-1965                                   |
| <b>71035-50</b>  | HD® PANHEAD™ 1948-1965                                   |
| <b>71035-100</b> | HD® PANHEAD™ 1948-1965                                   |
| <b>71033-4</b>   | HD® SPORTSTER™ 1957-1969                                 |
| <b>71033-50</b>  | HD® SPORTSTER™ 1957-1969                                 |
| <b>71033-100</b> | HD® SPORTSTER™ 1957-1969                                 |
| <b>71034-4</b>   | HD® SPORTSTER™ 1957-1969                                 |
| <b>71034-50</b>  | HD® SPORTSTER™ 1957-1969                                 |
| <b>71034-100</b> | HD® SPORTSTER™ 1957-1969                                 |
| <b>71033-4</b>   | HD® SPORTSTER™ 1970-1983                                 |
| <b>71033-50</b>  | HD® SPORTSTER™ 1970-1983                                 |
| <b>71033-100</b> | HD® SPORTSTER™ 1970-1983                                 |
| <b>71034-4</b>   | HD® SPORTSTER™ 1970-1983                                 |
| <b>71034-50</b>  | HD® SPORTSTER™ 1970-1983                                 |
| <b>71034-100</b> | HD® SPORTSTER™ 1970-1983                                 |
| <b>71035-4</b>   | HD® SHOVELHEAD™ 74" 1966-1977                            |
| <b>71035-50</b>  | HD® SHOVELHEAD™ 74" 1966-1977                            |
| <b>71035-100</b> | HD® SHOVELHEAD™ 74" 1966-1977                            |
| <b>71011-4</b>   | HD® SHOVELHEAD™ 74" 1966-1977                            |

| KPMI P/N         | APPLICATIONS                       |
|------------------|------------------------------------|
| <b>71002-4</b>   | HD® SHOVELHEAD™ 74" 1966-1977      |
| <b>71036-4</b>   | HD® SHOVELHEAD™ 80" 1978-1983      |
| <b>71036-50</b>  | HD® SHOVELHEAD™ 80" 1978-1983      |
| <b>71036-100</b> | HD® SHOVELHEAD™ 80" 1978-1983      |
| <b>71011-4</b>   | HD® SHOVELHEAD™ 80" 1978-1983      |
| <b>71002-4</b>   | HD® SHOVELHEAD™ 80" 1978-1983      |
| <b>71010-4</b>   | HD® EVOLUTION™ 1984-1999           |
| <b>71008-4</b>   | HD® EVOLUTION™ 1984-1999           |
| <b>71032-4</b>   | HD® EVOLUTION™ 1984-1999           |
| <b>71032-50</b>  | HD® EVOLUTION™ 1984-1999           |
| <b>71032-100</b> | HD® EVOLUTION™ 1984-1999           |
| <b>71032-4</b>   | HD® EVO SPORTSTER™ 883cc 1986-'03  |
| <b>71032-50</b>  | HD® EVO SPORTSTER™ 883cc 1986-'03  |
| <b>71032-100</b> | HD® EVO SPORTSTER™ 883cc 1986-'03  |
| <b>71010-4</b>   | HD® EVO SPORTSTER™ 883cc 1986-'03  |
| <b>71008-4</b>   | HD® EVO SPORTSTER™ 883cc 1986-'03  |
| <b>71030-4</b>   | HD® EVO SPORTSTER™ 883cc 2004-'21  |
| <b>71030-50</b>  | HD® EVO SPORTSTER™ 883cc 2004-'21  |
| <b>71030-100</b> | HD® EVO SPORTSTER™ 883cc 2004-'21  |
| <b>71028-4</b>   | HD® EVO SPORTSTER™ 883cc 2004-'21  |
| <b>71032-4</b>   | HD® XL™ 1100cc 1986-1987           |
| <b>71032-50</b>  | HD® XL™ 1100cc 1986-1987           |
| <b>71032-100</b> | HD® XL™ 1100cc 1986-1987           |
| <b>71010-4</b>   | HD® XL™ 1100cc 1986-1987           |
| <b>71008-4</b>   | HD® XL™ 1100cc 1986-1987           |
| <b>71032-4</b>   | HD® EVO SPORTSTER™ 1200cc 1988-'03 |
| <b>71032-50</b>  | HD® EVO SPORTSTER™ 1200cc 1988-'03 |
| <b>71032-100</b> | HD® EVO SPORTSTER™ 1200cc 1988-'03 |
| <b>71010-4</b>   | HD® EVO SPORTSTER™ 1200cc 1988-'03 |
| <b>71008-4</b>   | HD® EVO SPORTSTER™ 1200cc 1988-'03 |
| <b>71030-4</b>   | HD® EVO SPORTSTER™ 1200cc 2004-'21 |
| <b>71030-50</b>  | HD® EVO SPORTSTER™ 1200cc 2004-'21 |
| <b>71030-100</b> | HD® EVO SPORTSTER™ 1200cc 2004-'21 |
| <b>71028-4</b>   | HD® EVO SPORTSTER™ 1200cc 2004-'21 |
| <b>71032-4</b>   | HD® TWIN CAM™ 88" 1999-2004        |



# KPMI® Seal Part Numbers Assigned to Applications

If specific application is not listed, use the diagram and specifications to determine correct valve guide seal part number.

| KPMI P/N         | APPLICATIONS                                                |
|------------------|-------------------------------------------------------------|
| <b>71032-50</b>  | HD® TWIN CAM™ 88" 1999-2004                                 |
| <b>71032-100</b> | HD® TWIN CAM™ 88" 1999-2004                                 |
| <b>71010-4</b>   | HD® TWIN CAM™ 88" 1999-2004                                 |
| <b>71008-4</b>   | HD® TWIN CAM™ 88" 1999-2004                                 |
| <b>71030-4</b>   | HD® TWIN CAM™ 88"-103" 2005-2017                            |
| <b>71028-4</b>   | HD® TWIN CAM™ 88"-103" 2005-2017                            |
| <b>71030-4</b>   | HD® BUELL® XB9™ - XB12™ 2003-2010                           |
| <b>71028-4</b>   | HD® BUELL® XB9™ - XB12™ 2003-2010                           |
| <b>71046-8</b>   | HD® Milwaukee-Eight 2017-2022                               |
| <b>71016-2</b>   | HONDA® CRF™ / XR™ 100 1985-2013                             |
| <b>71014-4</b>   | HONDA® CRF™ 150R 2007-2022                                  |
| <b>71016-4</b>   | HONDA® CB™ 160 1965-1969                                    |
| <b>71016-4</b>   | HONDA® CB™ 175 1970-1975                                    |
| <b>71016-2</b>   | HONDA® ATC™ 185 / 200 1980-1986                             |
| <b>71016-2</b>   | HONDA® XL™ 200R / XR™ 200 / XR™ 200R 1980-'02               |
| <b>71016-4</b>   | HONDA® XR™ 200R RFVC 1996-2004                              |
| <b>71014-4</b>   | HONDA® CRF™ 250R 2004-'07 / 250X 2004-'17                   |
| <b>71014-4</b>   | HONDA® CRF™ 250R 2008-2009                                  |
| <b>71014-4</b>   | HONDA® CRF™ 250R 2010-2017                                  |
| <b>71014-4</b>   | HONDA® Vrious 250-300's 2011-2021                           |
| <b>71015-4</b>   | HONDA® CRF™ 250R / RX 2018-2021                             |
| <b>71016-4</b>   | HONDA® TRX™ 250X 1987-1992                                  |
| <b>71016-2</b>   | HONDA® XR™ / XL™ 250R RFVC 1984-'95                         |
| <b>71016-4</b>   | HONDA® XR™ 250R RFVC 1996-2004                              |
| <b>71016-4</b>   | HONDA® XR™ 350 RFVC 1983-1985                               |
| <b>71016-4</b>   | HONDA® XR™ 250L 1991-1996                                   |
| <b>71016-4</b>   | HONDA® TRX™ 300EX / X 1993-2009                             |
| <b>71016-4</b>   | HONDA® 350 RFVC 1983-1985                                   |
| <b>71015-4</b>   | HONDA® CB™ / CL™ 350 TWIN 1968-'73 (5mm Conv.)              |
| <b>71040-8</b>   | HONDA® CB™ 350F / 400F 1972-1977                            |
| <b>71016-4</b>   | HONDA® TRX™ 400X / 400EX 1999-'14                           |
| <b>71016-4</b>   | HONDA® XR™ 400 RFVC 1996-2004                               |
| <b>71015-4</b>   | HONDA® CB™ 450 1965-'72 / CB™ 500 TWIN 1965-'76 (5mm Conv.) |
| <b>30-30550</b>  | HONDA® CRF™ 450R 2002-2008                                  |
| <b>71015-4</b>   | HONDA® CRF™ 450R 2009-2012                                  |
| <b>71015-4</b>   | HONDA® CRF™ 450R 2013-2016                                  |
| <b>30-31570</b>  | HONDA® CRF™ 450X 2005-2017                                  |
| <b>71015-4</b>   | HONDA® CRF™ 450R / RX / WE 2017-2022                        |
| <b>71016-4</b>   | HONDA® TRX™ 450R 2004-2005                                  |

| KPMI P/N        | APPLICATIONS                                 |
|-----------------|----------------------------------------------|
| <b>30-30980</b> | HONDA® TRX™ 450R / ER 2006-2014              |
| <b>71016-8</b>  | HONDA® CB™ 500 / 4 - CB™ 550 / 4 1971-'78    |
| <b>71013-16</b> | HONDA® CBR™ 600 F2 / F3 1991-1996            |
| <b>71013-16</b> | HONDA® CBR™ 600F4i 2001-2006                 |
| <b>71018-4</b>  | HONDA® VARIOUS 500cc-650cc 1983-'18          |
| <b>71018-4</b>  | HONDA® XR™ 650R 2000-2007                    |
| <b>71018-4</b>  | HONDA® TRX™ 700XX 2008-2009                  |
| <b>71018-8</b>  | HONDA® CB™ / 750 SOHC 1969-1977              |
| <b>71015-8</b>  | HONDA® CB™ 750 SOHC 1969-1977 (5mm Conv.)    |
| <b>71016-16</b> | HONDA® CB™ 750 DOHC 1979-1983                |
| <b>71014-16</b> | HONDA® CBR™ 900RR 1993-1999                  |
| <b>71016-16</b> | HONDA® Various 900cc-1100cc 1980-1983        |
| <b>71016-8</b>  | HONDA® CRF™ 1000A/D 2017-2019                |
| <b>71016-8</b>  | HONDA® Pioneer™ 1000 2016-2021               |
| <b>71016-8</b>  | HONDA® Talon™ 1000X/R 2019-2022              |
| <b>71016-24</b> | HONDA® CBX 6 CYLINDER 1979-1982              |
| <b>71029-4</b>  | HUSQVARNA® Various 450's 2014-2018           |
| <b>71016-8</b>  | INDIAN® Scout™ 4V 1200's 2015-2019           |
| <b>71048-8</b>  | INDIAN® Scout™ 4V 1200's 2015-2019           |
| <b>71013-4</b>  | KAWASAKI® KX250F™ 2004-2016                  |
| <b>71013-4</b>  | KAWASAKI® KX250F™ 2017-2019                  |
| <b>71013-4</b>  | KAWASAKI® KX250F™ (&F / X / XC) 2020-2023    |
| <b>71013-4</b>  | KAWASAKI® KLX™ 300R / 250R / S / SF 1994-'14 |
| <b>71015-4</b>  | KAWASAKI® KLX™ / KFX™ 400 2001-'06           |
| <b>71016-4</b>  | KAWASAKI® KLX 450R™ 2008-2020                |
| <b>71016-4</b>  | KAWASAKI® KX 450F™ 2006-2008                 |
| <b>71016-4</b>  | KAWASAKI® KX 450F™ 2009-2016                 |
| <b>71016-4</b>  | KAWASAKI® KFX 450R™ 2008-2014                |
| <b>71016-8</b>  | KAWASAKI® NINJA 500R™ 1987-2009              |
| <b>71013-8</b>  | KAWASAKI® NINJA™ 650R / VERSYS 2006-'16      |
| <b>71015-8</b>  | KAWASAKI® VARIOUS 650 / 700 / 750 2005-2013  |
| <b>71014-8</b>  | KAWASAKI® VARIOUS 650 / 750 / 800 2012-2020  |
| <b>71019-8</b>  | KAWASAKI® KZ™ / Z1™ 900 1973-1977            |
| <b>71019-8</b>  | KAWASAKI® KZ™ / Z1™ POLICE 1000 1977-'05     |
| <b>71016-8</b>  | KAWASAKI® NINJA™ 1000R 1986-1987             |
| <b>71019-8</b>  | KAWASAKI® GPZ™ 1100 1981-1982                |
| <b>71013-16</b> | KAWASAKI® ZX-7R™ 1991-1995                   |
| <b>71013-16</b> | KAWASAKI® ZX-7R™ 1996-2003                   |
| <b>71013-16</b> | KAWASAKI® ZX-9R™ 1994-2003                   |

| KPMI P/N        | APPLICATIONS                                         |
|-----------------|------------------------------------------------------|
| <b>71015-16</b> | KAWASAKI® ZX-10R™ 1988-1990                          |
| <b>71013-16</b> | KAWASAKI® ZX-10R™ 2004-2015                          |
| <b>71015-16</b> | KAWASAKI® ZX-11™ / ZRX™ 1100/ 1200 1999-'05          |
| <b>71015-16</b> | KAWASAKI® ZX-12R™ 2000-2005                          |
| <b>71015-16</b> | KAWASAKI® ZX-14™ 2006-2011                           |
| <b>71015-16</b> | KAWASAKI® PWC™ 2007-2019                             |
| <b>71041-4</b>  | KTM® 250 2005-2007 (For RC4 Engines)                 |
| <b>71041-4</b>  | KTM® 250 2008-2011 (For RC4 Engines)                 |
| <b>71041-4</b>  | KTM® 250 2012-2013 (For RC4 Engines)                 |
| <b>71041-4</b>  | KTM® SX-F / XC-F 250 2013-2015                       |
| <b>71029-4</b>  | KTM® 450 2007-2011 (For RC4 Engines)                 |
| <b>96-96380</b> | KTM® 400-530cc 2008-2013 (XC4 Engines)               |
| <b>71029-4</b>  | KTM® ALL RFS ENGINES 400cc-560cc 2000-'09            |
| <b>71029-4</b>  | KTM® VARIOUS 450'S 2013-2018                         |
| <b>71012-4</b>  | NORTON® 750 1968-1973                                |
| <b>71012-4</b>  | NORTON® 850 1973-1977                                |
| <b>71017-4</b>  | POLARIS® PREDATOR™ / OUTLAW™ 500 2003-'07            |
| <b>71017-4</b>  | POLARIS® SPORTSMAN™ 800 2006-2014                    |
| <b>71031-4</b>  | POLARIS® SPORTSMAN™ 800 2006-2014                    |
| <b>71017-4</b>  | POLARIS® RZR™ 800 2008-2010                          |
| <b>71031-4</b>  | POLARIS® RZR™ 800 2008-2010                          |
| <b>71017-4</b>  | POLARIS® RZR™ 800 (&S/4) / RANGER 800 2011-'17       |
| <b>71015-8</b>  | POLARIS® RZR™ XP900 2011-2012                        |
| <b>71048-8</b>  | POLARIS® RZR™ XP900 2011-2012                        |
| <b>71015-8</b>  | POLARIS® RZR™ XP900 2013-2014                        |
| <b>71048-8</b>  | POLARIS® RZR™ XP900 2013-2014                        |
| <b>71016-8</b>  | POLARIS® Ranger™ 900 XP 2013-'19 / RZR™ 900 2015-'22 |
| <b>71048-8</b>  | POLARIS® Ranger™ 900 XP 2013-'19 / RZR™ 900 2015-'22 |
| <b>71016-8</b>  | POLARIS® RZR™ XP1000 2014                            |
| <b>71048-8</b>  | POLARIS® RZR™ XP1000 2014                            |
| <b>71048-8</b>  | POLARIS® Various 1000's 2015-2022                    |
| <b>71015-4</b>  | SUZUKI® DR™ 250/ 350S/ SE 1990-'99                   |
| <b>71013-4</b>  | SUZUKI® RM-Z250™ 2004-2006                           |
| <b>71013-4</b>  | SUZUKI® RM-Z250™ 2007-2017                           |
| <b>71015-4</b>  | SUZUKI® DR-Z400™ E/ S/ SM/ LT-Z400™ / 400Z™ 2000-'19 |
| <b>71016-4</b>  | SUZUKI® LTR™ 450 / 450Z 2006-2009                    |
| <b>71015-4</b>  | SUZUKI® RM-Z450™ 2005-2006                           |
| <b>71016-4</b>  | SUZUKI® RM-Z450™ 2007                                |
| <b>71016-4</b>  | SUZUKI® RM-Z450™ 2008-2020                           |
| <b>71014-16</b> | SUZUKI® GSX-R™ 600 1997-2000                         |
| <b>71014-8</b>  | SUZUKI® SV™ 650 1999-2009                            |
| <b>71016-4</b>  | SUZUKI® KING QUAD's 700-750 2005-'22                 |
| <b>71019-4</b>  | SUZUKI® DR™ 750 / 800 BIG 1988-1998                  |

| KPMI P/N        | APPLICATIONS                                               |
|-----------------|------------------------------------------------------------|
| <b>71019-8</b>  | SUZUKI® GS™ 750 PRE-1980                                   |
| <b>71016-16</b> | SUZUKI® GS™ 750 E/ ES/ L/ T 1980-1986                      |
| <b>71015-16</b> | SUZUKI® GS™ 750 E/ ES/ L/ T 1980-1986 (5mm Conv.)          |
| <b>71015-16</b> | SUZUKI® GSX-R™ 750 1980-1992                               |
| <b>71014-16</b> | SUZUKI® GSX-R™ 750 1993-1995                               |
| <b>71014-16</b> | SUZUKI® GSX-R™ 750 SRAD 1996-1999                          |
| <b>71018-8</b>  | SUZUKI® GS™ 1000 PRE-1981                                  |
| <b>71014-16</b> | SUZUKI® GSX-R™ 1000 2005-2008                              |
| <b>71016-16</b> | SUZUKI® GSX-R™ 1000 2009-2016                              |
| <b>71016-16</b> | SUZUKI® GS™ 1100 E / ES / S 1980-1986                      |
| <b>71015-16</b> | SUZUKI® GS™ 1100 E / ES / S 1980-1986 (5mm Conv.)          |
| <b>71015-16</b> | SUZUKI® GSX-R™ 1100 1986-1990                              |
| <b>71015-16</b> | SUZUKI® GSX-R™ 1100 1991-1992                              |
| <b>71014-16</b> | SUZUKI® GSX-R™ 1100 1993-1998                              |
| <b>71016-16</b> | SUZUKI® GS™ 1150 1984-1986                                 |
| <b>71015-16</b> | SUZUKI® GS™ 1150 1984-1986 (5mm Conv.)                     |
| <b>71015-16</b> | SUZUKI® HAYABUSA™ 1999-2019                                |
| <b>71012-4</b>  | TRIUMPH® Pre-Unit 500 / 650 1951-1962                      |
| <b>71017-4</b>  | TRIUMPH® 650 / 750 1963-1983 (6mm Conv.)                   |
| <b>71012-4</b>  | TRIUMPH® 650 / 750 1963-1983                               |
| <b>71012-4</b>  | TRIUMPH® TRIDENT™ 1971-'76                                 |
| <b>71016-8</b>  | TRIUMPH® 865 2001-2010                                     |
| <b>71017-2</b>  | YAMAHA® RAPTOR™ 250 2008-2013                              |
| <b>71016-4</b>  | YAMAHA® SRX™ 250 / XT™ 250 / 350 1984-2000                 |
| <b>80-80440</b> | YAMAHA® WR™ / YZ™ 250F 2001-2013                           |
| <b>80-80990</b> | YAMAHA® YZ™ 250F 2014-'18 / WR™ 250F & YZ™ 250FX 2014-'19  |
| <b>80-82345</b> | YAMAHA® YZ™ 250F 2019-2022 / WR™ 250F & YZ™ 250FX 2020-'22 |
| <b>80-80106</b> | YAMAHA® WR™ / YZ™ 400F / 426F 1998-2002                    |
| <b>80-80710</b> | YAMAHA® VARIOUS 450cc 2003-2020                            |
| <b>71040-4</b>  | YAMAHA® YZ™ 450F 2010-2013                                 |
| <b>71040-4</b>  | YAMAHA® Various YZ™ / WR™ 450's 2014-2021                  |
| <b>71017-5</b>  | YAMAHA® VARIOUS 660'S 2001-2008                            |
| <b>71017-4</b>  | YAMAHA® VARIOUS 700'S 2006-2022                            |
| <b>71014-12</b> | YAMAHA® YXZ 1000R 2016-2021                                |
| <b>71016-16</b> | YAMAHA® FJ™ 1100 / 1200 1984-1993                          |
| <b>71016-16</b> | YAMAHA® V-MAX™ 1985-2007                                   |
| <b>71014-20</b> | YAMAHA® YZF™ R1 1998-2003                                  |
| <b>71014-12</b> | YAMAHA® Various 1049cc Triples 2008-2015                   |
| <b>71014-8</b>  | YAMAHA® APEX™ / RX-1 (ALL MODELS) 2003-2010                |
| <b>71014-8</b>  | YAMAHA® MR-1™ Watercraft eng. 2002-'13                     |
| <b>71040-16</b> | YAMAHA® 1.8L 4V Watercraft 2008-2019                       |

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