

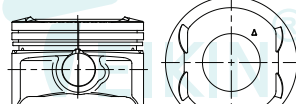
## ADDENDUM TO TEIKIN CATALOG VOL. 19 DATED JUNE 30, 2019



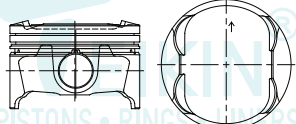
**NO FLANGE**



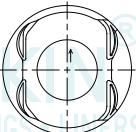
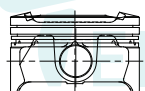
## GASOLINE APPLICATION

|                                                                                   |  |                              |  |                      |  |                                                                                   |  |  |  |  |  |                   |  |
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| <b>SPARK 1.0</b>                                                                  |  | Ø <b>68.50</b><br>+2.3       |  | 2 - 1.2              |  | Ø <b>17.000</b><br>TL 52.00                                                       |  |  |  |  |  | <b>TEIKIN NO.</b> |  |
| 4 cyl.                                                                            |  | CD 25.00<br>TL 47.30         |  | 1 - 2.0              |  |  |  |  |  |  |  |                   |  |
|  |  | <b>TEIKIN NO.</b>            |  |                      |  | <b>TEIKIN NO.</b>                                                                 |  |  |  |  |  |                   |  |
|                                                                                   |  | <b>30129</b>                 |  |                      |  | <b>P 48209</b>                                                                    |  |  |  |  |  |                   |  |
|                                                                                   |  |                              |  |                      |  |                                                                                   |  |  |  |  |  |                   |  |
| <b>Surface Treatment</b>                                                          |  | <b>Bore Clearance</b>        |  | <b>REFERENCE NO.</b> |  |                                                                                   |  |  |  |  |  |                   |  |
| Moly Skirt                                                                        |  | MRC: 0.030 mm<br>MP: 9.00 mm |  | 25192073             |  |                                                                                   |  |  |  |  |  |                   |  |

## GASOLINE APPLICATION

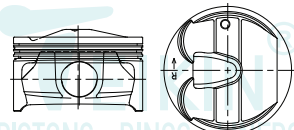
|                                                                                                     |                              |                        |                               |                                                                                                                  |  |  |  |                   |
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| <b>SPARK 1.25 L</b>                                                                                 |                              | <b>Ø 70.50</b><br>+2.4 | 1 - 1.0<br>1 - 1.2<br>1 - 2.0 | <b>Ø TL 18.000</b><br>47.50<br> |  |  |  | <b>TEIKIN NO.</b> |
| <b>4 cyl.</b><br> |                              | CD 24.80<br>TL 47.80   |                               |                                                                                                                  |  |  |  |                   |
| <b>TEIKIN NO.</b>                                                                                   |                              | <b>TEIKIN NO.</b>      | <b>TEIKIN NO.</b>             |                                                                                                                  |  |  |  |                   |
| <b>30116</b>                                                                                        |                              | <b>R 30116</b>         | <b>P 30110</b>                |                                                                                                                  |  |  |  |                   |
| <b>REFERENCE NO.</b>                                                                                |                              | <b>REFERENCE NO.</b>   |                               |                                                                                                                  |  |  |  |                   |
| <b>Surface Treatment</b>                                                                            | <b>Bore Clearance</b>        |                        |                               |                                                                                                                  |  |  |  |                   |
| Moly Skirt                                                                                          | MRC: 0.030 mm<br>MP: 8.00 mm |                        |                               |                                                                                                                  |  |  |  |                   |

## GASOLINE APPLICATION

|                                                                                                                                                                                   |                |                                                             |                        |                                                                                                                                 |  |  |  |            |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|-------------------------------------------------------------|------------------------|---------------------------------------------------------------------------------------------------------------------------------|--|--|--|------------|
| NEW OPTRA                                                                                                                                                                         |                | <div>Ø74.70<br/>+2.5</div> <div>CD 25.80<br/>TL 48.30</div> | 2 - 1.2<br><br>1 - 2.0 | <div>Ø TL 18.000<br/>47.50</div> <div></div> |  |  |  | TEIKIN NO. |
| 4 cyl.                                                                                                                                                                            |                |                                                             |                        |                                                                                                                                 |  |  |  |            |
| <div></div> |                |                                                             |                        |                                                                                                                                 |  |  |  |            |
| TEIKIN NO.<br>30128                                                                                                                                                               |                |                                                             |                        | TEIKIN NO.<br>P 30110                                                                                                           |  |  |  |            |
| REFERENCE NO.                                                                                                                                                                     |                |                                                             |                        |                                                                                                                                 |  |  |  |            |
| Surface Treatment                                                                                                                                                                 | Bore Clearance |                                                             |                        |                                                                                                                                 |  |  |  |            |
| Moly Skirt                                                                                                                                                                        | MRC: 0.030 mm  |                                                             |                        |                                                                                                                                 |  |  |  |            |
| Anodized Crown                                                                                                                                                                    | MP: 9.00 mm    |                                                             |                        |                                                                                                                                 |  |  |  |            |
| 1st Ring Anodized                                                                                                                                                                 |                |                                                             |                        |                                                                                                                                 |  |  |  |            |

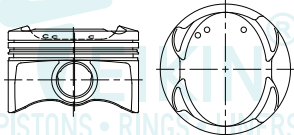
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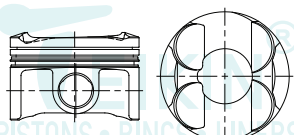
## GASOLINE APPLICATION

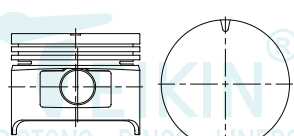
|                                                                                                          |  |                |               |            |                                                                                     |  |  |  |            |
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| CAPTIVA 3.0 L                                                                                            |  | 2384 cc        | Ø 89.00       | 1 - 1.0    | Ø 24.000                                                                            |  |  |  | TEIKIN NO. |
| 6 cyl.                                                                                                   |  |                | +5.3          | 1 - 1.2    | TL 52.00                                                                            |  |  |  |            |
|                                                                                                          |  |                | CD 29.00      |            |  |  |  |  |            |
|                                                                                                          |  |                | TL 56.30      | 1 - 1.5    |                                                                                     |  |  |  |            |
| <br>*Right Side Shown |  |                | TEIKIN NO.    | TEIKIN NO. | TEIKIN NO.                                                                          |  |  |  |            |
|                                                                                                          |  |                | 30117         | R 30117    | P 30117                                                                             |  |  |  |            |
|                                                                                                          |  |                |               |            |                                                                                     |  |  |  |            |
| REFERENCE NO.                                                                                            |  |                | REFERENCE NO. |            |                                                                                     |  |  |  |            |
| Surface Treatment                                                                                        |  | Bore Clearance |               |            |                                                                                     |  |  |  |            |
| Moly Skirt                                                                                               |  | MRC: 0.030 mm  |               |            |                                                                                     |  |  |  |            |
| Anodized Crown                                                                                           |  | MP: 6.00 mm    |               |            |                                                                                     |  |  |  |            |
| 1st Ring Anodized                                                                                        |  |                |               |            |                                                                                     |  |  |  |            |
|                                                                                                          |  |                |               |            |                                                                                     |  |  |  | 4          |

# ADDENDUM TO TEIKIN CATALOG VOL. 19 DATED JUNE 30, 2019

|                                                                                                  |                                                                                                 |                                                                                            |                                                                                          |                                                                                               |                                                                                                                      |                                                                                                      |
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| <br>ENGINE TYPE | <br>PISTON SET | <br>RINGS | <br>PIN | <br>BUSHING | <br>FLANGED<br>LINER<br>NO FLANGE | <br>LINER KIT SET |
|--------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|

| DAIHATSU                                                                          |               |                                                |                               | GASOLINE APPLICATION         |  |  |  | TEIKIN NO. |
|-----------------------------------------------------------------------------------|---------------|------------------------------------------------|-------------------------------|------------------------------|--|--|--|------------|
| <b>1KR-DE / 1KR-VE</b> 998 cc<br>DAIHATSU SIGRA 3 CYL<br>AYLA / HI-MAX 3 CYL      | <b>3 cyl.</b> | Ø <b>71.00</b><br>+2.8<br>CD 26.50<br>TL 47.10 | 1 - 1.2<br>1 - 1.0<br>1 - 2.0 | Ø 18.000<br>TL 47.50         |  |  |  |            |
|  |               | TEIKIN NO.<br><b>32153</b>                     |                               | TEIKIN NO.<br><b>P 30110</b> |  |  |  |            |
| Surface Treatment: Moly Skirt<br>Anodized Crown<br>1st Ring Anodized              |               | Bore Clearance: MRC: 0.030 mm<br>MP: 3.50 mm   |                               |                              |  |  |  |            |
|                                                                                   |               | REFERENCE NO.<br>13211-BZ201-001               |                               |                              |  |  |  |            |
|                                                                                   |               |                                                |                               |                              |  |  |  | 5          |

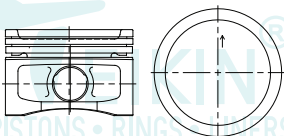
| DAIHATSU                                                                           |               |                                                |                               | GASOLINE APPLICATION         |  |  |  | TEIKIN NO. |
|------------------------------------------------------------------------------------|---------------|------------------------------------------------|-------------------------------|------------------------------|--|--|--|------------|
| <b>3NR-VE</b> 1197 cc<br>DAIHATSU SIGRA 4 CYL<br>AYLA 4 CYL                        | <b>4 cyl.</b> | Ø <b>72.50</b><br>+2.5<br>CD 30.20<br>TL 49.20 | 1 - 1.2<br>1 - 1.0<br>1 - 2.0 | Ø 18.000<br>TL 53.00         |  |  |  |            |
|  |               | TEIKIN NO.<br><b>32152</b>                     |                               | TEIKIN NO.<br><b>P 46332</b> |  |  |  |            |
| Surface Treatment: Moly Skirt<br>Anodized Crown<br>1st Ring Anodized               |               | Bore Clearance: MRC: 0.030 mm<br>MP: 5.50 mm   |                               |                              |  |  |  |            |
|                                                                                    |               | REFERENCE NO.<br>13101-BZ270-001               |                               |                              |  |  |  |            |
|                                                                                    |               |                                                |                               |                              |  |  |  | 6          |

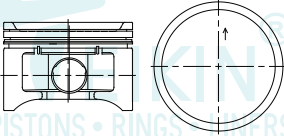
| FORD                                                                                |               |                                               |                               | GASOLINE APPLICATION         |  |  |  | TEIKIN NO. |
|-------------------------------------------------------------------------------------|---------------|-----------------------------------------------|-------------------------------|------------------------------|--|--|--|------------|
| <b>2.8 LTS</b>                                                                      | <b>6 cyl.</b> | Ø <b>93.00</b><br>CD 38.50<br>TL 73.00        | 1 - 2.0<br>1 - 2.5<br>1 - 4.0 | Ø 24.000<br>TL 72.00         |  |  |  |            |
|  |               | TEIKIN NO.<br><b>35208</b>                    |                               | TEIKIN NO.<br><b>P 35208</b> |  |  |  |            |
| Surface Treatment: None                                                             |               | Bore Clearance: MRC: 0.030 mm<br>MP: 14.50 mm |                               |                              |  |  |  |            |
|                                                                                     |               | REFERENCE NO.                                 |                               |                              |  |  |  |            |
|                                                                                     |               |                                               |                               |                              |  |  |  | 7          |

| FORD                                                                                |               |                                                |                    | GASOLINE APPLICATION         |  |  |  | TEIKIN NO. |
|-------------------------------------------------------------------------------------|---------------|------------------------------------------------|--------------------|------------------------------|--|--|--|------------|
| <b>MOT 2.3L</b>                                                                     | <b>4 cyl.</b> | Ø <b>96.01</b><br>-2.6<br>CD 40.10<br>TL 72.20 | 2 - 1.5<br>1 - 4.0 | Ø 23.170<br>TL 76.20         |  |  |  |            |
|  |               | TEIKIN NO.<br><b>35210</b>                     |                    | TEIKIN NO.<br><b>P 35169</b> |  |  |  |            |
| Surface Treatment: None                                                             |               | Bore Clearance: MRC: 0.030 mm<br>MP: 17.50 mm  |                    |                              |  |  |  |            |
|                                                                                     |               | REFERENCE NO.                                  |                    |                              |  |  |  |            |
|                                                                                     |               |                                                |                    |                              |  |  |  | 8          |

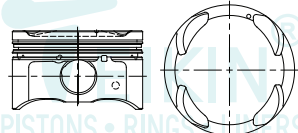
# ADDENDUM TO TEIKIN CATALOG VOL. 19 DATED JUNE 30, 2019

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| <br>ENGINE TYPE | <br>PISTON SET | <br>RINGS | <br>PIN | <br>BUSHING | <br>FLANGED<br>LINER<br>NO FLANGE | <br>LINER KIT SET |
|--------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|

| GENERAL MOTORS                                                                    |  |                                                       |                                                | GASOLINE APPLICATION                |                      |  |  | TEIKIN NO. |
|-----------------------------------------------------------------------------------|--|-------------------------------------------------------|------------------------------------------------|-------------------------------------|----------------------|--|--|------------|
| <b>3.1L</b><br>MALIBU 97-04<br>155 CP                                             |  | <b>6 cyl.</b>                                         | <b>Ø 89.00</b><br>-6.6<br>CD 37.80<br>TL 59.90 | 1 - 1.2<br>1 - 1.5<br>1 - 3.0       | Ø 23.000<br>TL 56.00 |  |  |            |
|  |  |                                                       | <b>TEIKIN NO.</b><br><b>58125</b>              | <b>TEIKIN NO.</b><br><b>P 34129</b> |                      |  |  |            |
| <b>Surface Treatment</b><br>Tin Coated<br>Moly Skirt                              |  | <b>Bore Clearance</b><br>MRC: 0.030 mm<br>MP: 7.50 mm |                                                | <b>REFERENCE NO.</b>                |                      |  |  |            |
|                                                                                   |  |                                                       |                                                |                                     |                      |  |  |            |
|                                                                                   |  |                                                       |                                                |                                     |                      |  |  | 9          |

| GENERAL MOTORS                                                                     |               |                        |         | GASOLINE APPLICATION        |  |  |  |                   |
|------------------------------------------------------------------------------------|---------------|------------------------|---------|-----------------------------|--|--|--|-------------------|
| <b>VENTURE 3.4</b>                                                                 |               | <b>Ø 92.00</b><br>-6.5 | 1 - 1.2 | <b>Ø 23.000</b><br>TL 56.00 |  |  |  | <b>TEIKIN NO.</b> |
| V6                                                                                 | <b>6 cyl.</b> |                        | 1 - 1.5 |                             |  |  |  |                   |
|                                                                                    |               | CD 37.80               | 1 - 3.0 |                             |  |  |  |                   |
|                                                                                    |               | TL 62.90               |         |                             |  |  |  |                   |
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|                                                                                    |               | <b>TEIKIN NO.</b>      |         | <b>TEIKIN NO.</b>           |  |  |  |                   |
|                                                                                    |               | <b>58124</b>           |         | <b>P 34129</b>              |  |  |  |                   |
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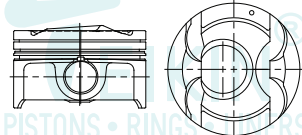
| HYUNDAI        |  |         |                 | GASOLINE APPLICATION |                      |  |  |  |            |
|----------------|--|---------|-----------------|----------------------|----------------------|--|--|--|------------|
| KAPPA 1.25 MPI |  | 1248 cc | Ø 71.00<br>-3.0 | 1 - 1.0              | Ø 18.000<br>TL 47.50 |  |  |  | TEIKIN NO. |
| HYUNDAI i10    |  | 4 cyl.  |                 | 1 - 1.2              |                      |  |  |  |            |
|                |  |         | CD 24.70        | 1 - 2.0              |                      |  |  |  |            |
|                |  |         | TL 42.70        |                      |                      |  |  |  |            |
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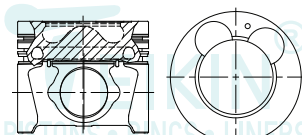
| HYUNDAI                                                                                                                                                                                                                                                                                                         |                                                                                 |                                                                 |                                          | GASOLINE APPLICATION |  |  |                       |  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------|-----------------------------------------------------------------|------------------------------------------|----------------------|--|--|-----------------------|--|
| <div>G4LA-II</div> <div>1248 cc</div> <div>4 cyl.</div> <div></div> <div><div>Surface Treatment</div><div>Tin Coated<br/>Moly Skirt</div></div> <div><div>Bore Clearance</div><div>MRC: 0.030 mm<br/>MP: 6.00 mm</div></div> | <div>Ø 71.00</div> <div>-3.0</div> <div>CD 24.70</div> <div>TL 42.70</div>      | <div>1 - 1.0</div> <div>1 - 1.2</div> <div>1 - 2.0</div>        | <div>Ø 18.000</div> <div>TL 47.50</div>  |                      |  |  | <div>TEIKIN NO.</div> |  |
|                                                                                                                                                                                                                                                                                                                 | <div>TEIKIN NO.</div> <div>51157</div>                                          | <div>TEIKIN NO.</div> <div>R 51140</div>                        | <div>TEIKIN NO.</div> <div>P 30110</div> |                      |  |  |                       |  |
|                                                                                                                                                                                                                                                                                                                 | <div>REFERENCE NO.</div> <div>23041 03230<br/>23041 03240<br/>23041 03250</div> | <div>REFERENCE NO.</div> <div>23040-03000<br/>23040-03050</div> |                                          |                      |  |  |                       |  |
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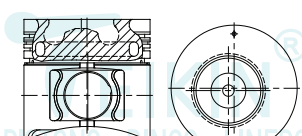
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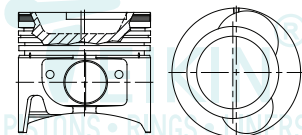
# ADDENDUM TO TEIKIN CATALOG VOL. 19 DATED JUNE 30, 2019

|                                                                                                  |                                                                                                 |                                                                                            |                                                                                          |                                                                                               |                                                                                                      |                                                                                                  |                                                                                                      |
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| <br>ENGINE TYPE | <br>PISTON SET | <br>RINGS | <br>PIN | <br>BUSHING |  LINER<br>FLANGED | <br>NO FLANGE | <br>LINER KIT SET |
|--------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|

| HYUNDAI                                                                                |                                                |                                                            |                                                            |                       | GASOLINE APPLICATION |  |  |  |            |
|----------------------------------------------------------------------------------------|------------------------------------------------|------------------------------------------------------------|------------------------------------------------------------|-----------------------|----------------------|--|--|--|------------|
| <b>G4FJ</b> 1591 cc<br>ACCENT<br>I30 ~ I40 ~ IX35<br>TUCSON ~ VELOSTER<br>KIA DOHC 16V | 4 cyl.                                         | Ø 77.00<br>+3.0<br>CD 26.90<br>TL 48.00                    | 2 - 1.2<br>1 - 2.0                                         | Ø 18.000<br>TL 53.00  |                      |  |  |  | TEIKIN NO. |
|       |                                                | TEIKIN NO.<br>51155                                        | TEIKIN NO.<br>R 51155                                      | TEIKIN NO.<br>P 46332 |                      |  |  |  |            |
| Surface Treatment<br>Moly Skirt<br>Anodized Crown<br>1st Ring Anodized                 | Bore Clearance<br>MRC: 0.030 mm<br>MP: 7.00 mm | REFERENCE NO.<br>23041 2B600<br>23041 2B610<br>23041 2B620 | REFERENCE NO.<br>23040-2B600<br>23040-2B650<br>23040-2B800 |                       |                      |  |  |  | 13         |

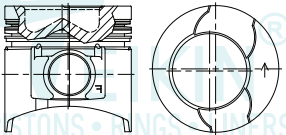
| HYUNDAI                                                                                       |                                                |                                                                                          |                                                                               |                              | DIESEL APPLICATION    |                                          |               |  |                              |
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| <b>D4FB</b> 1582 cc<br>1.6L CRDi DOHC 16v<br>10/2007<br>ACCENT ~ ECANTRA<br>I20 ~ I30 ~ I30CW | 4 cyl.                                         | Ø 77.20<br>-12.7<br>CD 41.90<br>TL 65.70                                                 | 2 - 1.75<br>1 - 3.0                                                           | Ø 28.000<br>TL 64.00         |                       | TL 140.0<br>OD 81.2<br>FT 3.0<br>FD 83.0 | 140.0<br>81.2 |  | TEIKIN NO.                   |
|             |                                                | TEIKIN NO.<br>51154AG                                                                    | TEIKIN NO.<br>R 51154                                                         | TEIKIN NO.<br>P 51154        | TEIKIN NO.<br>B 51154 | TEIKIN NO.<br>LSF 51154<br>LSX 51154     |               |  | LKSF 51154AG<br>LKXS 51154AG |
| Surface Treatment<br>Moly Skirt                                                               | Bore Clearance<br>MRC: 0.030 mm<br>MP: 8.00 mm | REFERENCE NO.<br>23410-2A967<br>23410-2A957<br>23410-2A977<br>23410-2A987<br>23410-2A997 | REFERENCE NO.<br>23040-2A903<br>23040-2A913<br>23040-2A923<br>23040-2A960/1/2 | REFERENCE NO.<br>23517-2A700 |                       | REFERENCE NO.                            |               |  | 14                           |

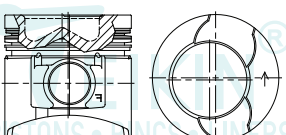
| ISUZU                                                                               |                                                 |                                            |                                                                                   |                                | DIESEL APPLICATION    |                                                  |  |  |                              |
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| <b>6HE1-T-II</b> 7127 cc<br>6 cyl.                                                  |                                                 | Ø 110.00<br>-23.0<br>CD 66.10<br>TL 119.70 | 1 - 3.9 FK<br>1 - 3.0<br>1 - 2.5<br>1 - 3.0                                       | Ø 40.000<br>TL 87.00           |                       | TL 210.0<br>OD 113.0<br>FT 5.6 + 0.4<br>FD 119.7 |  |  | TEIKIN NO.                   |
|  |                                                 | TEIKIN NO.<br>39683AG                      | TEIKIN NO.<br>R 39663                                                             | TEIKIN NO.<br>P 39665          | TEIKIN NO.<br>B 39663 | TEIKIN NO.<br>LFF 39663*<br>LSF 39663            |  |  | LKFF 39683AG<br>LKSF 39683AG |
| Surface Treatment<br>Tin Coated                                                     | Bore Clearance<br>MRC: 0.110 mm<br>MP: 34.00 mm | REFERENCE NO.<br>8-94391-605-0             | REFERENCE NO.<br>8-94390-529-1<br>8-94395-061-3<br>8-94395-061-4<br>8-94395-061-5 | REFERENCE NO.<br>8-94394-613-0 |                       | REFERENCE NO.<br>8-94391-600-0<br>8-94391-601-0  |  |  | 15                           |

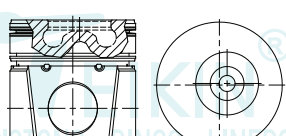
| ISUZU                                                                               |                                                 |                                                                  |                                  |                                | DIESEL APPLICATION    |                                                                                                        |  |  |                          |
|-------------------------------------------------------------------------------------|-------------------------------------------------|------------------------------------------------------------------|----------------------------------|--------------------------------|-----------------------|--------------------------------------------------------------------------------------------------------|--|--|--------------------------|
| <b>4HG1-II</b> 4 cyl.                                                               |                                                 | Ø 115.00<br>-18.5<br>CD 60.70<br>TL 104.40                       | 1 - 3.0 HK<br>1 - 2.5<br>1 - 4.0 | Ø 36.000<br>TL 79.00           |                       | TL 180.0<br>OD 118.0<br>FT 6.1<br>FD 123.6                                                             |  |  | TEIKIN NO.               |
|  |                                                 | TEIKIN NO.<br>39242                                              | TEIKIN NO.<br>R 39653            | TEIKIN NO.<br>P 39181          | TEIKIN NO.<br>B 39181 | TEIKIN NO.<br>LFF 39653*<br>LSF 39653                                                                  |  |  | LKFF 39242<br>LKSF 39242 |
| Surface Treatment<br>Tin Coated                                                     | Bore Clearance<br>MRC: 0.050 mm<br>MP: 19.50 mm | REFERENCE NO.<br>8-97105-867-0<br>8-97219-054-0<br>8-98055-478-0 |                                  | REFERENCE NO.<br>1-12251-036-0 |                       | REFERENCE NO.<br>8-97176-729-0<br>8-97176-730-0<br>8-97351-558-0/1<br>8-97351-559-0/1<br>8-98014-048-0 |  |  | 16                       |

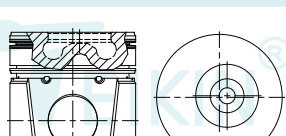
# ADDENDUM TO TEIKIN CATALOG VOL. 19 DATED JUNE 30, 2019

|                                                                                                  |                                                                                                 |                                                                                            |                                                                                          |                                                                                               |                                                                                                |                                                                                                  |                                                                                                      |
|--------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|
| <br>ENGINE TYPE | <br>PISTON SET | <br>RINGS | <br>PIN | <br>BUSHING | <br>FLANGED | <br>NO FLANGE | <br>LINER KIT SET |
|--------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|

| KOMATSU                                                                                                            |                                                        |                                     |                                                                                                                  | DIESEL APPLICATION |  |  |            |
|--------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------|-------------------------------------|------------------------------------------------------------------------------------------------------------------|--------------------|--|--|------------|
| <b>S6D95</b><br><b>1 cyl.</b><br> | <b>Ø 95.00</b><br>-19.6<br>CD 51.20<br>TL 94.20        | 1 - 2.5 FK<br>1 - 2.3 HK<br>1 - 4.0 | <b>Ø 30.000</b><br>TL 74.00<br> |                    |  |  | TEIKIN NO. |
|                                                                                                                    | TEIKIN NO.                                             |                                     | TEIKIN NO.                                                                                                       |                    |  |  |            |
|                                                                                                                    | 64101A-1                                               |                                     | P 44630                                                                                                          |                    |  |  |            |
|                                                                                                                    | REFERENCE NO.                                          |                                     |                                                                                                                  |                    |  |  |            |
|                                                                                                                    | 6207-31-2141                                           |                                     |                                                                                                                  |                    |  |  |            |
| <b>Surface Treatment</b><br>None                                                                                   | <b>Bore Clearance</b><br>MRC: 0.060 mm<br>MP: 21.40 mm |                                     |                                                                                                                  |                    |  |  | 17         |

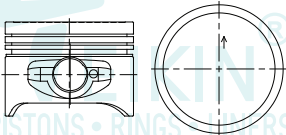
| KOMATSU                                                                                                             |                                                        |                                     |                                                                                                                  | DIESEL APPLICATION |  |  |            |
|---------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------|-------------------------------------|------------------------------------------------------------------------------------------------------------------|--------------------|--|--|------------|
| <b>S6D95</b><br><b>6 cyl.</b><br> | <b>Ø 95.00</b><br>-19.6<br>CD 51.20<br>TL 94.20        | 1 - 2.5 FK<br>1 - 2.3 HK<br>1 - 4.0 | <b>Ø 30.000</b><br>TL 74.00<br> |                    |  |  | TEIKIN NO. |
|                                                                                                                     | TEIKIN NO.                                             |                                     | TEIKIN NO.                                                                                                       |                    |  |  |            |
|                                                                                                                     | 64101A                                                 |                                     | P 44630                                                                                                          |                    |  |  |            |
|                                                                                                                     | REFERENCE NO.                                          |                                     |                                                                                                                  |                    |  |  |            |
|                                                                                                                     | 6207-31-2141                                           |                                     |                                                                                                                  |                    |  |  |            |
| <b>Surface Treatment</b><br>None                                                                                    | <b>Bore Clearance</b><br>MRC: 0.060 mm<br>MP: 21.40 mm |                                     |                                                                                                                  |                    |  |  | 18         |

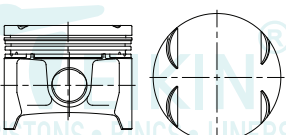
| KOMATSU                                                                                                               |                                                        |                                  |                                                                                                                    | DIESEL APPLICATION |  |  |            |
|-----------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------|----------------------------------|--------------------------------------------------------------------------------------------------------------------|--------------------|--|--|------------|
| <b>S6D102</b><br><b>1 cyl.</b><br> | <b>Ø 102.00</b><br>-22.0<br>CD 71.60<br>TL 105.40      | 1 - 2.9 FK<br>1 - 2.4<br>1 - 4.0 | <b>Ø 40.000</b><br>TL 83.00<br> |                    |  |  | TEIKIN NO. |
|                                                                                                                       | TEIKIN NO.                                             |                                  | TEIKIN NO.                                                                                                         |                    |  |  |            |
|                                                                                                                       | 64102A-1                                               |                                  | P 64102                                                                                                            |                    |  |  |            |
|                                                                                                                       | REFERENCE NO.                                          |                                  |                                                                                                                    |                    |  |  |            |
|                                                                                                                       | 6735-31-2111-0<br>6735-31-2110<br>6735-31-2140         |                                  |                                                                                                                    |                    |  |  |            |
| <b>Surface Treatment</b><br>None                                                                                      | <b>Bore Clearance</b><br>MRC: 0.100 mm<br>MP: 10.00 mm |                                  |                                                                                                                    |                    |  |  | 19         |

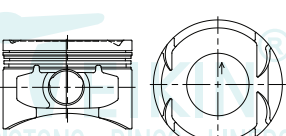
| KOMATSU                                                                                                               |                                                        |                                  |                                                                                                                    | DIESEL APPLICATION |  |  |            |
|-----------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------|----------------------------------|--------------------------------------------------------------------------------------------------------------------|--------------------|--|--|------------|
| <b>S6D102</b><br><b>6 cyl.</b><br> | <b>Ø 102.00</b><br>-22.0<br>CD 71.60<br>TL 105.40      | 1 - 2.9 FK<br>1 - 2.4<br>1 - 4.0 | <b>Ø 40.000</b><br>TL 83.00<br> |                    |  |  | TEIKIN NO. |
|                                                                                                                       | TEIKIN NO.                                             |                                  | TEIKIN NO.                                                                                                         |                    |  |  |            |
|                                                                                                                       | 64102A                                                 |                                  | P 64102                                                                                                            |                    |  |  |            |
|                                                                                                                       | REFERENCE NO.                                          |                                  |                                                                                                                    |                    |  |  |            |
|                                                                                                                       | 6735-31-2111-0<br>6735-31-2110<br>6735-31-2140         |                                  |                                                                                                                    |                    |  |  |            |
| <b>Surface Treatment</b><br>None                                                                                      | <b>Bore Clearance</b><br>MRC: 0.100 mm<br>MP: 10.00 mm |                                  |                                                                                                                    |                    |  |  | 20         |

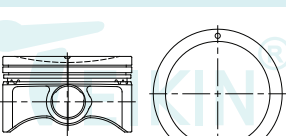
# ADDENDUM TO TEIKIN CATALOG VOL. 19 DATED JUNE 30, 2019

|                                                                                                  |                                                                                                 |                                                                                            |                                                                                          |                                                                                               |                                                                                                                              |
|--------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------|
| <br>ENGINE TYPE | <br>PISTON SET | <br>RINGS | <br>PIN | <br>BUSHING | <br>FLANGED LINER NO FLANGE LINER KIT SET |
|--------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------|

| PEUGEOT                                                                                                                                                                  |               |                                                |                    | GASOLINE APPLICATION                |  |  |  | TEIKIN NO. |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|------------------------------------------------|--------------------|-------------------------------------|--|--|--|------------|
| <b>1.6L</b>                                                                                                                                                              | <b>4 cyl.</b> | <b>Ø 78.50</b><br>-0.3<br>CD 32.20<br>TL 57.50 | 2 - 1.5<br>1 - 3.0 | <b>Ø 19.490</b><br>TL 62.00         |  |  |  |            |
| <br><b>Surface Treatment</b> None<br><b>Bore Clearance</b> MRC: 0.030 mm<br>MP: 9.50 mm |               | <b>TEIKIN NO.</b><br><b>67104</b>              |                    | <b>TEIKIN NO.</b><br><b>P 67104</b> |  |  |  |            |
|                                                                                                                                                                          |               | <b>REFERENCE NO.</b>                           |                    |                                     |  |  |  |            |
|                                                                                                                                                                          |               |                                                |                    |                                     |  |  |  | <b>21</b>  |

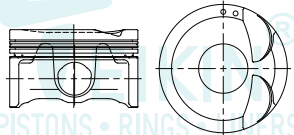
| RENAULT                                                                                                                                                                          |               |                                                                         |                                                                                              | GASOLINE APPLICATION                |  |  |  | TEIKIN NO. |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|-------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|-------------------------------------|--|--|--|------------|
| <b>K4J</b>                                                                                                                                                                       | <b>4 cyl.</b> | <b>Ø 79.50</b><br>-2.2<br>CD 37.20<br>TL 64.60                          | 2 - 1.5<br>1 - 2.5                                                                           | <b>Ø 19.990</b><br>TL 61.50         |  |  |  |            |
| <br><b>Surface Treatment</b> Tin Coated<br><b>Bore Clearance</b> MRC: 0.030 mm<br>MP: 10.50 mm |               | <b>TEIKIN NO.</b><br><b>70108</b>                                       | <b>TEIKIN NO.</b><br><b>R 70600</b>                                                          | <b>TEIKIN NO.</b><br><b>P 42662</b> |  |  |  |            |
|                                                                                                                                                                                  |               | <b>REFERENCE NO.</b><br>77 01 474 903<br>77 01 474 904<br>77 01 474 905 | <b>REFERENCE NO.</b><br>77 01 473 223<br>77 01 473 857<br>KS: 800053040000<br>MAHLE: 02202N0 |                                     |  |  |  |            |
|                                                                                                                                                                                  |               |                                                                         |                                                                                              |                                     |  |  |  | <b>22</b>  |

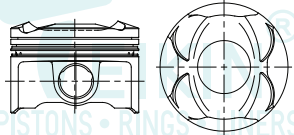
| RENAULT                                                                                                                                                                           |               |                                                |                               | GASOLINE APPLICATION                |  |  |  | TEIKIN NO. |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|------------------------------------------------|-------------------------------|-------------------------------------|--|--|--|------------|
| <b>2.0L-III</b><br>SOLO CLIO SPORT                                                                                                                                                | <b>4 cyl.</b> | <b>Ø 82.70</b><br>-0.6<br>CD 30.20<br>TL 56.80 | 1 - 1.2<br>1 - 1.5<br>1 - 2.0 | <b>Ø 21.000</b><br>TL 61.50         |  |  |  |            |
| <br><b>Surface Treatment</b> Tin Coated<br><b>Bore Clearance</b> MRC: 0.030 mm<br>MP: 10.50 mm |               | <b>TEIKIN NO.</b><br><b>70106</b>              |                               | <b>TEIKIN NO.</b><br><b>P 56104</b> |  |  |  |            |
|                                                                                                                                                                                   |               | <b>REFERENCE NO.</b><br>77 00 112 313          |                               |                                     |  |  |  |            |
|                                                                                                                                                                                   |               |                                                |                               |                                     |  |  |  | <b>23</b>  |

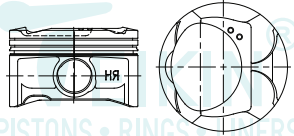
| SUZUKI                                                                                                                                                                           |               |                                                |                               | GASOLINE APPLICATION                |  |  |  | TEIKIN NO. |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|------------------------------------------------|-------------------------------|-------------------------------------|--|--|--|------------|
| <b>K15B</b><br>SUZUKI ALL NEW ERTIGA                                                                                                                                             | <b>4 cyl.</b> | <b>Ø 74.00</b><br>-3.5<br>CD 26.00<br>TL 43.30 | 1 - 1.0<br>1 - 1.2<br>1 - 2.0 | <b>Ø 18.000</b><br>TL 47.50         |  |  |  |            |
| <br><b>Surface Treatment</b> Moly Skirt<br><b>Bore Clearance</b> MRC: 0.030 mm<br>MP: 4.00 mm |               | <b>TEIKIN NO.</b><br><b>45156</b>              |                               | <b>TEIKIN NO.</b><br><b>P 30110</b> |  |  |  |            |
|                                                                                                                                                                                  |               | <b>REFERENCE NO.</b><br>12111-73R00-000        |                               |                                     |  |  |  |            |
|                                                                                                                                                                                  |               |                                                |                               |                                     |  |  |  | <b>24</b>  |

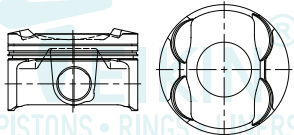
# ADDENDUM TO TEIKIN CATALOG VOL. 19 DATED JUNE 30, 2019

|                                                                                                  |                                                                                                 |                                                                                            |                                                                                          |                                                                                               |                                                                                                                      |                                                                                                      |
|--------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|
| <br>ENGINE TYPE | <br>PISTON SET | <br>RINGS | <br>PIN | <br>BUSHING | <br>FLANGED<br>LINER<br>NO FLANGE | <br>LINER KIT SET |
|--------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|

| SUZUKI                                                                                                                                                                                                  |                                                |                    |                                                                                                           | GASOLINE APPLICATION |  |  |            |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------|--------------------|-----------------------------------------------------------------------------------------------------------|----------------------|--|--|------------|
| <b>M16A</b><br><b>4 cyl.</b><br><br><b>Surface Treatment</b> Bore Clearance<br>Moly Skirt MRC: 0.030 mm<br>MP: 6.50 mm | Ø <b>78.00</b><br>-1.8<br>CD 29.80<br>TL 47.30 | 2 - 1.0<br>1 - 2.0 | Ø 20.000<br>TL 43.00<br> |                      |  |  | TEIKIN NO. |
|                                                                                                                                                                                                         | TEIKIN NO.<br><b>45157</b>                     |                    | TEIKIN NO.<br><b>P 45157</b>                                                                              |                      |  |  |            |
|                                                                                                                                                                                                         | REFERENCE NO.<br>12100-54880                   |                    |                                                                                                           |                      |  |  |            |
|                                                                                                                                                                                                         |                                                |                    |                                                                                                           |                      |  |  | <b>25</b>  |

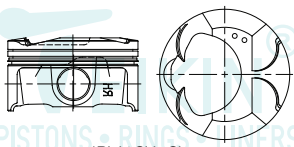
| TOYOTA                                                                                                                                                                                                                                         |                                                |                    |                              | GASOLINE APPLICATION |  |  |            |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------|--------------------|------------------------------|----------------------|--|--|------------|
| <b>2NR-FE</b><br><b>4 cyl.</b><br><br><b>Surface Treatment</b> Bore Clearance<br>Moly Skirt MRC: 0.030 mm<br>Anodized Crown MP: 6.00 mm<br>1st Ring Anodized | Ø <b>72.50</b><br>+3.8<br>CD 30.20<br>TL 52.00 | 2 - 1.0<br>1 - 2.0 | Ø 18.000<br>TL 53.00         |                      |  |  | TEIKIN NO. |
|                                                                                                                                                                                                                                                | TEIKIN NO.<br><b>46394</b>                     |                    | TEIKIN NO.<br><b>P 46332</b> |                      |  |  |            |
|                                                                                                                                                                                                                                                | REFERENCE NO.<br>13101-0Y120                   |                    |                              |                      |  |  |            |
|                                                                                                                                                                                                                                                |                                                |                    |                              |                      |  |  | <b>26</b>  |

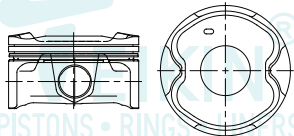
| TOYOTA                                                                                                                                                                                                                                                                                                           |                                                           |                              |                                                                                                             | GASOLINE APPLICATION |  |  |            |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------|------------------------------|-------------------------------------------------------------------------------------------------------------|----------------------|--|--|------------|
| <b>3GR-FSE</b> 3000 cc<br>LEXUS GS190 05-11 "D4"<br>05-11<br><b>6 cyl.</b><br><br>*Right Side Shown<br><b>Surface Treatment</b> Bore Clearance<br>Moly Skirt MRC: 0.030 mm<br>Anodized Crown MP: 5.00 mm<br>1st Ring Anodized | Ø <b>87.50</b><br>+2.1<br>CD 31.00<br>TL 54.10            | 2 - 1.2<br>1 - 2.0           | Ø 22.000<br>TL 56.00<br> |                      |  |  | TEIKIN NO. |
|                                                                                                                                                                                                                                                                                                                  | TEIKIN NO.<br><b>46397</b>                                | TEIKIN NO.<br><b>R 46397</b> | TEIKIN NO.<br><b>P 34101</b>                                                                                |                      |  |  |            |
|                                                                                                                                                                                                                                                                                                                  | REFERENCE NO.<br>13101-31040-B0 (R)<br>13301-31010-B0 (L) | REFERENCE NO.                |                                                                                                             |                      |  |  |            |
|                                                                                                                                                                                                                                                                                                                  |                                                           |                              |                                                                                                             |                      |  |  | <b>27</b>  |

| TOYOTA                                                                                                                                                                                                                                                  |                                                |                                                            |                                                                                                             | GASOLINE APPLICATION |  |  |            |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------|------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------|----------------------|--|--|------------|
| <b>2AR-FE</b> 2494 cc<br><b>4 cyl.</b><br><br><b>Surface Treatment</b> Bore Clearance<br>Moly Skirt MRC: 0.030 mm<br>Anodized Crown MP: 5.00 mm<br>1st Ring Anodized | Ø <b>90.00</b><br>+3.4<br>CD 34.90<br>TL 56.80 | 2 - 1.0<br>1 - 2.0                                         | Ø 22.000<br>TL 56.00<br> |                      |  |  | TEIKIN NO. |
|                                                                                                                                                                                                                                                         | TEIKIN NO.<br><b>46693</b>                     | TEIKIN NO.<br><b>R 46697</b>                               | TEIKIN NO.<br><b>P 34101</b>                                                                                |                      |  |  |            |
|                                                                                                                                                                                                                                                         | REFERENCE NO.<br>13211-36032                   | REFERENCE NO.<br>13011-36020<br>13011-36030<br>13011-36070 |                                                                                                             |                      |  |  |            |
|                                                                                                                                                                                                                                                         |                                                |                                                            |                                                                                                             |                      |  |  | <b>28</b>  |

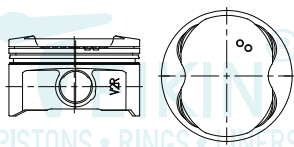
# ADDENDUM TO TEIKIN CATALOG VOL. 19 DATED JUNE 30, 2019

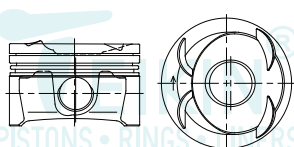
|                                                                                                  |                                                                                                 |                                                                                            |                                                                                          |                                                                                               |                                                                                                      |                                                                                                  |                                                                                                      |
|--------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|
| <br>ENGINE TYPE | <br>PISTON SET | <br>RINGS | <br>PIN | <br>BUSHING |  LINER<br>FLANGED | <br>NO FLANGE | <br>LINER KIT SET |
|--------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|

| TOYOTA                                                                                                 |                                              |                                                           |                                                                                                           | GASOLINE APPLICATION |  |  |  |            |
|--------------------------------------------------------------------------------------------------------|----------------------------------------------|-----------------------------------------------------------|-----------------------------------------------------------------------------------------------------------|----------------------|--|--|--|------------|
| <b>2GR-FSE</b> 3500 cc<br>LEXUS GS190 05-11<br>05-11<br>6 cyl.                                         | Ø 94.00<br>+1.9<br>CD 31.30<br>TL 52.70      | 2 - 1.2<br>1 - 2.0                                        | Ø 22.000<br>TL 56.00<br> |                      |  |  |  | TEIKIN NO. |
| <br>*Right Side Shown | TEIKIN NO.<br>46396                          | TEIKIN NO.<br>R 46396                                     | TEIKIN NO.<br>P 34101                                                                                     |                      |  |  |  |            |
| Surface Treatment: Moly Skirt<br>Anodized Crown<br>1st Ring Anodized                                   | Bore Clearance: MRC: 0.030 mm<br>MP: 6.50 mm | REFERENCE NO.<br>13101-31061-B0 (R)<br>13301-31031-B0 (L) | REFERENCE NO.                                                                                             |                      |  |  |  |            |
|                                                                                                        |                                              |                                                           |                                                                                                           |                      |  |  |  | 29         |

| TOYOTA                                                                                                          |                                                       |                                                |                                                    | GASOLINE APPLICATION                                                                                             |  |                                       |               |                                       |
|-----------------------------------------------------------------------------------------------------------------|-------------------------------------------------------|------------------------------------------------|----------------------------------------------------|------------------------------------------------------------------------------------------------------------------|--|---------------------------------------|---------------|---------------------------------------|
| <b>1GR-FE-II</b><br>LAND CRUISER<br>PRADO<br>GRJ150<br>DOHC 24V (09--)                                          | <b>3955 cc</b><br><b>6 cyl.</b>                       | <b>Ø 94.00</b><br>+2.4<br>CD 32.80<br>TL 54.70 | 2 - 1.2<br><br>1 - 2.0                             | <b>Ø 22.000</b><br>TL 56.00<br> |  | TL<br>OD<br>FT<br>FD                  | 168.0<br>98.0 | <b>TEIKIN NO.</b><br><b>LKX 46703</b> |
| <br>PISTONS • RINGS • ROLLERS |                                                       | <b>TEIKIN NO.</b><br><b>46703</b>              | <b>TEIKIN NO.</b><br><b>R 46368</b>                | <b>TEIKIN NO.</b><br><b>P 34101</b>                                                                              |  | <b>TEIKIN NO.</b><br><b>LSX 46272</b> |               |                                       |
|                                                                                                                 |                                                       |                                                |                                                    |                                                                                                                  |  | <b>Surface Treatment</b>              |               |                                       |
|                                                                                                                 |                                                       |                                                |                                                    |                                                                                                                  |  | None                                  |               |                                       |
| <b>Surface Treatment</b><br>Moly Skirt<br>Anodized Crown<br>1st Ring Anodized                                   | <b>Bore Clearance</b><br>MRC: 0.030 mm<br>MP: 6.50 mm | <b>REFERENCE NO.</b><br>13101-31120            | <b>REFERENCE NO.</b><br>13011-31100<br>13011-31210 |                                                                                                                  |  |                                       |               |                                       |

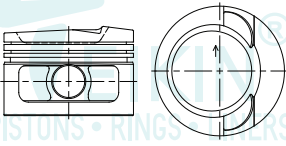
30

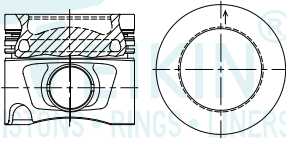
| TOYOTA                                                                                                   |                                              |                                                           |                                                                                                             | GASOLINE APPLICATION |  |  |  |            |
|----------------------------------------------------------------------------------------------------------|----------------------------------------------|-----------------------------------------------------------|-------------------------------------------------------------------------------------------------------------|----------------------|--|--|--|------------|
| <b>2UZ-FE-II</b> 4700 cc<br>LAND CRUISER 200 07<br>07-NEW<br>8 cyl.                                      | Ø 94.00<br>+2.5<br>CD 33.90<br>TL 57.40      | 2 - 1.2<br>1 - 3.0                                        | Ø 22.000<br>TL 62.00<br> |                      |  |  |  | TEIKIN NO. |
| <br>*Right Side Shown | TEIKIN NO.<br>46395                          | TEIKIN NO.<br>R 46395                                     | TEIKIN NO.<br>P 43222                                                                                       |                      |  |  |  |            |
| Surface Treatment: Moly Skirt<br>Anodized Crown<br>1st Ring Anodized                                     | Bore Clearance: MRC: 0.030 mm<br>MP: 3.50 mm | REFERENCE NO.<br>13101-50082-02 (R)<br>13301-50072-02 (L) | REFERENCE NO.                                                                                               |                      |  |  |  |            |
|                                                                                                          |                                              |                                                           |                                                                                                             |                      |  |  |  | 31         |

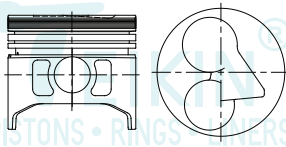
| VOLKSWAGEN                                                                                               |                                              |                                 |                                                                                                             | GASOLINE APPLICATION |  |  |  |            |
|----------------------------------------------------------------------------------------------------------|----------------------------------------------|---------------------------------|-------------------------------------------------------------------------------------------------------------|----------------------|--|--|--|------------|
| <b>1.4 TURBO</b> 1390 cc<br>CAVD<br>4 cyl.                                                               | Ø 76.51<br>+2.0<br>CD 28.90<br>TL 49.90      | 1 - 1.2<br>1 - 1.5<br>1 - 2.0   | Ø 19.000<br>TL 52.00<br> |                      |  |  |  | TEIKIN NO. |
| <br>*Right Side Shown | TEIKIN NO.<br>48221                          | TEIKIN NO.<br>R 48221           | TEIKIN NO.<br>P 44258                                                                                       |                      |  |  |  |            |
| Surface Treatment: Moly Skirt<br>Anodized Crown<br>1st Ring Anodized<br>2nd Ring Anodized                | Bore Clearance: MRC: 0.030 mm<br>MP: 4.00 mm | REFERENCE NO.<br>03C 107 065 CE | REFERENCE NO.                                                                                               |                      |  |  |  |            |
|                                                                                                          |                                              |                                 |                                                                                                             |                      |  |  |  | 32         |

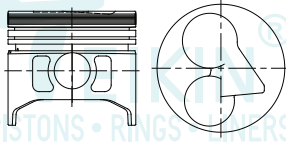
# ADDENDUM TO TEIKIN CATALOG VOL. 19 DATED JUNE 30, 2019

|                                                                                                  |                                                                                                 |                                                                                            |                                                                                          |                                                                                               |                                                                                                             |                                                                                                      |
|--------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|
| <br>ENGINE TYPE | <br>PISTON SET | <br>RINGS | <br>PIN | <br>BUSHING | <br>FLANGED<br>NO FLANGE | <br>LINER KIT SET |
|--------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|

| VOLKSWAGEN                                                                                                                                                                                                     |                            |                                |                                                                                                           | GASOLINE APPLICATION |  |  |  | TEIKIN NO. |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|--------------------------------|-----------------------------------------------------------------------------------------------------------|----------------------|--|--|--|------------|
| <b>2.8L</b><br><b>6 cyl.</b><br><br><b>Surface Treatment</b> Tin Coated<br><b>Bore Clearance</b> MRC: 0.030 mm<br>MP: 4.50 mm | Ø <b>81.00</b><br>+2.1     | 1 - 1.5<br>1 - 1.75<br>1 - 3.0 | Ø 20.000<br>TL 56.58<br> |                      |  |  |  |            |
|                                                                                                                                                                                                                | CD 32.30<br>TL 55.70       |                                |                                                                                                           |                      |  |  |  |            |
|                                                                                                                                                                                                                | TEIKIN NO.<br><b>48223</b> |                                | TEIKIN NO.<br><b>P 42165</b>                                                                              |                      |  |  |  |            |
|                                                                                                                                                                                                                | REFERENCE NO.              |                                |                                                                                                           |                      |  |  |  |            |
|                                                                                                                                                                                                                |                            |                                |                                                                                                           |                      |  |  |  | <b>33</b>  |

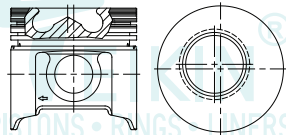
| VOLKSWAGEN                                                                                                                                                                                                                          |                                    |                                |                                                                                                           | DIESEL APPLICATION |  |  |  | TEIKIN NO. |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------|--------------------------------|-----------------------------------------------------------------------------------------------------------|--------------------|--|--|--|------------|
| <b>2.0 LT TDI</b><br>TRANSPORTA<br><b>4 cyl.</b><br><br><b>Surface Treatment</b> Moly Skirt<br><b>Bore Clearance</b> MRC: 0.030 mm<br>MP: 6.50 mm | Ø <b>81.00</b><br>-12.7            | 1 - 1.75<br>1 - 2.0<br>1 - 3.0 | Ø 26.000<br>TL 65.50<br> |                    |  |  |  |            |
|                                                                                                                                                                                                                                     | CD 45.80<br>TL 68.80               |                                |                                                                                                           |                    |  |  |  |            |
|                                                                                                                                                                                                                                     | TEIKIN NO.<br><b>48222AG</b>       | TEIKIN NO.<br><b>R 48222</b>   | TEIKIN NO.<br><b>P 48222</b>                                                                              |                    |  |  |  |            |
|                                                                                                                                                                                                                                     | REFERENCE NO.<br>03L 107 065 N 001 | REFERENCE NO.                  |                                                                                                           |                    |  |  |  |            |
|                                                                                                                                                                                                                                     |                                    |                                |                                                                                                           |                    |  |  |  | <b>34</b>  |

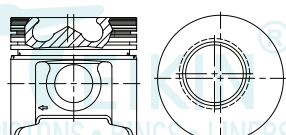
| KUBOTA                                                                                                                                                                                                            |                              |                                  |                                                                                                             | STATIONERY & AGRICULTURE APPLICATION |  |  |  | TEIKIN NO. |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|----------------------------------|-------------------------------------------------------------------------------------------------------------|--------------------------------------|--|--|--|------------|
| <b>4D78</b><br><b>1 cyl.</b><br><br><b>Surface Treatment</b> Tin Coated<br><b>Bore Clearance</b> MRC: 0.060 mm<br>MP: 18.00 mm | Ø <b>78.00</b><br>-1.8       | 1 - 2.0 HK<br>1 - 1.5<br>1 - 4.0 | Ø 22.000<br>TL 60.00<br> |                                      |  |  |  |            |
|                                                                                                                                                                                                                   | CD 36.30<br>TL 69.50         |                                  |                                                                                                             |                                      |  |  |  |            |
|                                                                                                                                                                                                                   | TEIKIN NO.<br><b>G0135-1</b> | TEIKIN NO.<br><b>R G0135</b>     | TEIKIN NO.<br><b>P 34102</b>                                                                                |                                      |  |  |  |            |
|                                                                                                                                                                                                                   | REFERENCE NO.<br>16060-21114 | REFERENCE NO.                    |                                                                                                             |                                      |  |  |  |            |
|                                                                                                                                                                                                                   |                              |                                  |                                                                                                             |                                      |  |  |  | <b>35</b>  |

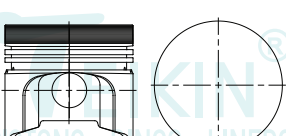
| KUBOTA                                                                                                                                                                                                            |                              |                                  |                                                                                                             | STATIONERY & AGRICULTURE APPLICATION |  |  |  | TEIKIN NO. |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|----------------------------------|-------------------------------------------------------------------------------------------------------------|--------------------------------------|--|--|--|------------|
| <b>4D78</b><br><b>4 cyl.</b><br><br><b>Surface Treatment</b> Tin Coated<br><b>Bore Clearance</b> MRC: 0.060 mm<br>MP: 18.00 mm | Ø <b>78.00</b><br>-1.8       | 1 - 2.0 HK<br>1 - 1.5<br>1 - 4.0 | Ø 22.000<br>TL 60.00<br> |                                      |  |  |  |            |
|                                                                                                                                                                                                                   | CD 36.30<br>TL 69.50         |                                  |                                                                                                             |                                      |  |  |  |            |
|                                                                                                                                                                                                                   | TEIKIN NO.<br><b>G0135</b>   | TEIKIN NO.<br><b>R G0135</b>     | TEIKIN NO.<br><b>P 34102</b>                                                                                |                                      |  |  |  |            |
|                                                                                                                                                                                                                   | REFERENCE NO.<br>16060-21114 | REFERENCE NO.                    |                                                                                                             |                                      |  |  |  |            |
|                                                                                                                                                                                                                   |                              |                                  |                                                                                                             |                                      |  |  |  | <b>36</b>  |

# ADDENDUM TO TEIKIN CATALOG VOL. 19 DATED JUNE 30, 2019

|                                                                                                  |                                                                                                 |                                                                                            |                                                                                          |                                                                                               |                                                                                                             |                                                                                                      |
|--------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|
| <br>ENGINE TYPE | <br>PISTON SET | <br>RINGS | <br>PIN | <br>BUSHING | <br>FLANGED<br>NO FLANGE | <br>LINER KIT SET |
|--------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|

| KUBOTA                                                                                                                                                                                                    |                              |                                  |                                                                                                           | STATIONERY & AGRICULTURE APPLICATION |  |  |  | TEIKIN NO. |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|----------------------------------|-----------------------------------------------------------------------------------------------------------|--------------------------------------|--|--|--|------------|
| <b>D1503</b><br>1 cyl.<br><br><b>Surface Treatment</b> Moly Skirt<br><b>Bore Clearance</b> MRC: 0.050 mm<br>MP: 22.00 mm | Ø 83.00<br>-16.0             | 1 - 2.0 HK<br>1 - 2.0<br>1 - 4.0 | Ø 25.000<br>TL 64.00<br> |                                      |  |  |  |            |
|                                                                                                                                                                                                           | CD 43.50<br>TL 80.00         |                                  |                                                                                                           |                                      |  |  |  |            |
|                                                                                                                                                                                                           | TEIKIN NO.<br>G0600A-1       | TEIKIN NO.<br>R G0600            | TEIKIN NO.<br>P 42601                                                                                     |                                      |  |  |  |            |
|                                                                                                                                                                                                           | REFERENCE NO.<br>1G770-21110 | REFERENCE NO.                    |                                                                                                           |                                      |  |  |  |            |
|                                                                                                                                                                                                           |                              |                                  |                                                                                                           |                                      |  |  |  | 37         |

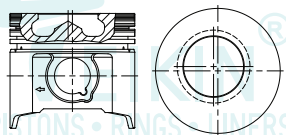
| KUBOTA                                                                                                                                                                                                                |                              |                                  |                                                                                                           | STATIONERY & AGRICULTURE APPLICATION |  |  |  | TEIKIN NO. |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|----------------------------------|-----------------------------------------------------------------------------------------------------------|--------------------------------------|--|--|--|------------|
| <b>D1503</b><br>1499 cc<br>3 cyl.<br><br><b>Surface Treatment</b> Moly Skirt<br><b>Bore Clearance</b> MRC: 0.050 mm<br>MP: 22.00 mm | Ø 83.00<br>-16.0             | 1 - 2.0 HK<br>1 - 2.0<br>1 - 4.0 | Ø 25.000<br>TL 64.00<br> |                                      |  |  |  |            |
|                                                                                                                                                                                                                       | CD 43.50<br>TL 80.00         |                                  |                                                                                                           |                                      |  |  |  |            |
|                                                                                                                                                                                                                       | TEIKIN NO.<br>G0600A         | TEIKIN NO.<br>R G0600            | TEIKIN NO.<br>P 42601                                                                                     |                                      |  |  |  |            |
|                                                                                                                                                                                                                       | REFERENCE NO.<br>1G770-21110 | REFERENCE NO.                    |                                                                                                           |                                      |  |  |  |            |
|                                                                                                                                                                                                                       |                              |                                  |                                                                                                           |                                      |  |  |  | 38         |

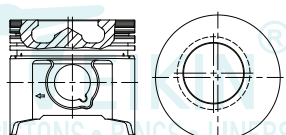
| KUBOTA                                                                                                                                                                                                     |                                             |                                  |                                                                                                             | STATIONERY & AGRICULTURE APPLICATION |  |  |  | TEIKIN NO. |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------|----------------------------------|-------------------------------------------------------------------------------------------------------------|--------------------------------------|--|--|--|------------|
| <b>4D85</b><br>1 cyl.<br><br><b>Surface Treatment</b> Tin Coated<br><b>Bore Clearance</b> MRC: 0.070 mm<br>MP: 20.00 mm | Ø 85.00                                     | 1 - 2.5 HK<br>1 - 2.0<br>1 - 5.0 | Ø 23.000<br>TL 63.00<br> |                                      |  |  |  |            |
|                                                                                                                                                                                                            | CD 43.40<br>TL 79.90                        |                                  |                                                                                                             |                                      |  |  |  |            |
|                                                                                                                                                                                                            | TEIKIN NO.<br>G0136-1                       |                                  | TEIKIN NO.<br>P 51132                                                                                       |                                      |  |  |  |            |
|                                                                                                                                                                                                            | REFERENCE NO.<br>19439-21110<br>19439-21111 |                                  |                                                                                                             |                                      |  |  |  |            |
|                                                                                                                                                                                                            |                                             |                                  |                                                                                                             |                                      |  |  |  | 39         |

| KUBOTA                                                                                                                                                                                                     |                                             |                                  |                                                                                                             | STATIONERY & AGRICULTURE APPLICATION |  |  |  | TEIKIN NO. |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------|----------------------------------|-------------------------------------------------------------------------------------------------------------|--------------------------------------|--|--|--|------------|
| <b>4D85</b><br>4 cyl.<br><br><b>Surface Treatment</b> Tin Coated<br><b>Bore Clearance</b> MRC: 0.070 mm<br>MP: 20.00 mm | Ø 85.00                                     | 1 - 2.5 HK<br>1 - 2.0<br>1 - 5.0 | Ø 23.000<br>TL 63.00<br> |                                      |  |  |  |            |
|                                                                                                                                                                                                            | CD 43.40<br>TL 79.90                        |                                  |                                                                                                             |                                      |  |  |  |            |
|                                                                                                                                                                                                            | TEIKIN NO.<br>G0136                         |                                  | TEIKIN NO.<br>P 51132                                                                                       |                                      |  |  |  |            |
|                                                                                                                                                                                                            | REFERENCE NO.<br>19439-21110<br>19439-21111 |                                  |                                                                                                             |                                      |  |  |  |            |
|                                                                                                                                                                                                            |                                             |                                  |                                                                                                             |                                      |  |  |  | 40         |

# ADDENDUM TO TEIKIN CATALOG VOL. 19 DATED JUNE 30, 2019

|                                                                                                  |                                                                                                 |                                                                                            |                                                                                          |                                                                                               |                                                                                                                                       |
|--------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|
| <br>ENGINE TYPE | <br>PISTON SET | <br>RINGS | <br>PIN | <br>BUSHING | <br>FLANGED<br>NO FLANGE<br>LINER<br>LINER KIT SET |
|--------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|

| KUBOTA                                                                                                              |                                                                                                  | STATIONERY & AGRICULTURE APPLICATION |                                                                                                                  |  |  |  |  |            |
|---------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|--------------------------------------|------------------------------------------------------------------------------------------------------------------|--|--|--|--|------------|
| <b>V2403T</b><br><b>1 cyl.</b><br> | <b>Ø 87.00</b><br>-16.4<br>CD 43.50<br>TL 80.00                                                  | 1 - 2.0 HK<br>1 - 2.0<br>1 - 4.0     | <b>Ø 25.000</b><br>TL 64.00<br> |  |  |  |  | TEIKIN NO. |
|                                                                                                                     | TEIKIN NO.<br><b>G0601A-1</b>                                                                    | TEIKIN NO.<br><b>R G0601</b>         | TEIKIN NO.<br><b>P 42601</b>                                                                                     |  |  |  |  |            |
|                                                                                                                     | REFERENCE NO.<br>1G924-2111                                                                      | REFERENCE NO.                        |                                                                                                                  |  |  |  |  |            |
|                                                                                                                     | <b>Surface Treatment</b><br>Moly Skirt<br><b>Bore Clearance</b><br>MRC: 0.040 mm<br>MP: 16.00 mm |                                      |                                                                                                                  |  |  |  |  |            |
|                                                                                                                     |                                                                                                  |                                      |                                                                                                                  |  |  |  |  | 41         |

| KUBOTA                                                                                                                                 |                                                                                                  | STATIONERY & AGRICULTURE APPLICATION |                                                                                                                  |  |  |  |  |            |
|----------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|--------------------------------------|------------------------------------------------------------------------------------------------------------------|--|--|--|--|------------|
| <b>V2403T</b><br><b>2434 cc</b><br><b>4 cyl.</b><br> | <b>Ø 87.00</b><br>-16.4<br>CD 43.50<br>TL 80.00                                                  | 1 - 2.0 HK<br>1 - 2.0<br>1 - 4.0     | <b>Ø 25.000</b><br>TL 64.00<br> |  |  |  |  | TEIKIN NO. |
|                                                                                                                                        | TEIKIN NO.<br><b>G0601A</b>                                                                      | TEIKIN NO.<br><b>R G0601</b>         | TEIKIN NO.<br><b>P 42601</b>                                                                                     |  |  |  |  |            |
|                                                                                                                                        | REFERENCE NO.<br>1G924-2111                                                                      | REFERENCE NO.                        |                                                                                                                  |  |  |  |  |            |
|                                                                                                                                        | <b>Surface Treatment</b><br>Moly Skirt<br><b>Bore Clearance</b><br>MRC: 0.040 mm<br>MP: 16.00 mm |                                      |                                                                                                                  |  |  |  |  |            |
|                                                                                                                                        |                                                                                                  |                                      |                                                                                                                  |  |  |  |  | 42         |