

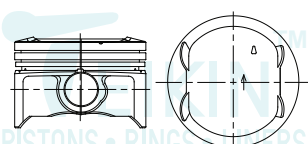
## ADDENDUM TO TEIKIN CATALOG VOL. 19 DATED JUNE 30, 2021



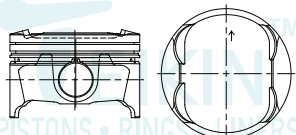
**NO FLANGE**



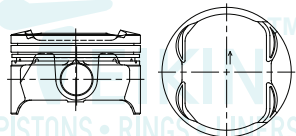
## GASOLINE APPLICATION

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

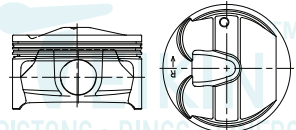
## GASOLINE APPLICATION

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

## GASOLINE APPLICATION

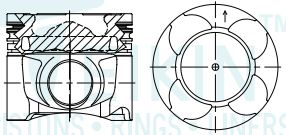
|                                                                                                                                                                   |  |                      |  |                       |  |                                                                                     |  |  |  |            |  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|----------------------|--|-----------------------|--|-------------------------------------------------------------------------------------|--|--|--|------------|--|
| NEW OPTRA                                                                                                                                                         |  | Ø 74.70<br>+2.5      |  | 2 - 1.2               |  | Ø 18.000<br>TL 47.50                                                                |  |  |  | TEIKIN NO. |  |
| 4 cyl.                                                                                                                                                            |  | CD 25.80<br>TL 48.30 |  | 1 - 2.0               |  |  |  |  |  |            |  |
|                                                                                |  | TEIKIN NO.<br>30128  |  | TEIKIN NO.<br>P 30110 |  |                                                                                     |  |  |  |            |  |
|                                                                                                                                                                   |  |                      |  |                       |  |                                                                                     |  |  |  |            |  |
|                                                                                                                                                                   |  |                      |  |                       |  |                                                                                     |  |  |  |            |  |
| <b>Surface Treatment</b> <b>Bore Clearance</b><br>Moly Skirt                      MRC: 0.030 mm<br>Anodized Crown                MP: 9.00 mm<br>1st Ring Anodized |  | REFERENCE NO.        |  |                       |  |                                                                                     |  |  |  |            |  |
|                                                                                                                                                                   |  |                      |  |                       |  |                                                                                     |  |  |  | 3          |  |

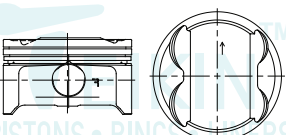
## GASOLINE APPLICATION

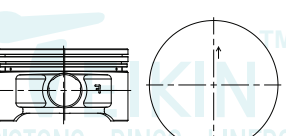
|                                                                                                          |                       |                      |                      |                                                                                     |  |  |  |                   |
|----------------------------------------------------------------------------------------------------------|-----------------------|----------------------|----------------------|-------------------------------------------------------------------------------------|--|--|--|-------------------|
| <b>CAPTIVA 3.0 L</b>                                                                                     | <b>3000 cc</b>        | <b>Ø 89.00</b>       | <b>1 - 1.0</b>       | <b>Ø 24.000</b>                                                                     |  |  |  | <b>TEIKIN NO.</b> |
|                                                                                                          | <b>6 cyl.</b>         | +5.3                 | <b>1 - 1.2</b>       | <b>TL 52.00</b>                                                                     |  |  |  |                   |
|                                                                                                          |                       | CD 29.00             |                      |  |  |  |  |                   |
|                                                                                                          |                       | TL 56.30             | <b>1 - 1.5</b>       |                                                                                     |  |  |  |                   |
| <br>*Right Side Shown |                       | <b>TEIKIN NO.</b>    | <b>TEIKIN NO.</b>    | <b>TEIKIN NO.</b>                                                                   |  |  |  |                   |
|                                                                                                          |                       | <b>30117</b>         | <b>R 30117</b>       | <b>P 30117</b>                                                                      |  |  |  |                   |
|                                                                                                          |                       |                      |                      |                                                                                     |  |  |  |                   |
|                                                                                                          |                       |                      |                      |                                                                                     |  |  |  |                   |
| <b>Surface Treatment</b>                                                                                 | <b>Bore Clearance</b> | <b>REFERENCE NO.</b> | <b>REFERENCE NO.</b> |                                                                                     |  |  |  |                   |
| Moly Skirt                                                                                               | MRC: 0.030 mm         | 12631195 (R)         | 12631194             |                                                                                     |  |  |  |                   |
| Anodized Crown                                                                                           | MP: 6.00 mm           | 12631196 (L)         |                      |                                                                                     |  |  |  |                   |
| 1st Ring Anodized                                                                                        |                       |                      |                      |                                                                                     |  |  |  |                   |

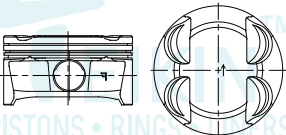
# ADDENDUM TO TEIKIN CATALOG VOL. 19 DATED JUNE 30, 2021

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

| CHEVROLET                                                                         |               |                                                       |                                     | DIESEL APPLICATION                                                                                               |  |  |  | TEIKIN NO. |
|-----------------------------------------------------------------------------------|---------------|-------------------------------------------------------|-------------------------------------|------------------------------------------------------------------------------------------------------------------|--|--|--|------------|
| <b>S10</b>                                                                        | <b>4 cyl.</b> | <b>Ø 94.00</b><br>-17.1<br>CD 52.00<br>TL 80.10       | 1 - 2.8 FK<br>1 - 2.0<br>1 - 2.0    | <b>Ø 31.990</b><br>TL 71.00<br> |  |  |  |            |
|  |               | <b>TEIKIN NO.</b><br><b>30130AG</b>                   | <b>TEIKIN NO.</b><br><b>R 30130</b> | <b>TEIKIN NO.</b><br><b>P 30130</b>                                                                              |  |  |  |            |
| <b>Surface Treatment</b><br>Moly Skirt                                            |               | <b>Bore Clearance</b><br>MRC: 0.050 mm<br>MP: 9.00 mm | <b>REFERENCE NO.</b>                | <b>REFERENCE NO.</b>                                                                                             |  |  |  |            |
|                                                                                   |               |                                                       |                                     |                                                                                                                  |  |  |  | <b>5</b>   |

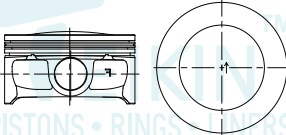
| CHRYSLER                                                                                                          |                |                                                                |                    | GASOLINE APPLICATION                |  |  |  | TEIKIN NO. |
|-------------------------------------------------------------------------------------------------------------------|----------------|----------------------------------------------------------------|--------------------|-------------------------------------|--|--|--|------------|
| <b>1.8L</b>                                                                                                       | <b>1798 cc</b> | <b>Ø 86.00</b><br>+1.1<br>CD 27.20<br>TL 51.20                 | 2 - 1.2<br>1 - 2.0 | <b>Ø 21.000</b><br>TL 59.00         |  |  |  |            |
| <b>4 cyl.</b><br>Avenger 2008-2010<br>Caliber 2007-2011<br>Jeep Compass<br>Patriot 2007-2011<br>DOHC 16V Dual VVT |                | <b>TEIKIN NO.</b><br><b>31132</b>                              |                    | <b>TEIKIN NO.</b><br><b>P 45131</b> |  |  |  |            |
|                                 |                | <b>REFERENCE NO.</b><br>05191337AA<br>05191338AA<br>05191339AA |                    |                                     |  |  |  |            |
| <b>Surface Treatment</b><br>Chromated<br>Moly Skirt                                                               |                | <b>Bore Clearance</b><br>MRC: 0.030 mm<br>MP: 9.00 mm          |                    |                                     |  |  |  | <b>6</b>   |

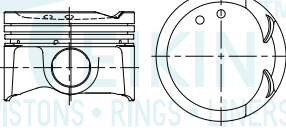
| CHRYSLER                                                                            |               |                                                       |                                                  | GASOLINE APPLICATION                |  |  |  | TEIKIN NO. |
|-------------------------------------------------------------------------------------|---------------|-------------------------------------------------------|--------------------------------------------------|-------------------------------------|--|--|--|------------|
| <b>3.3L</b>                                                                         | <b>6 cyl.</b> | <b>Ø 93.00</b><br>CD 30.00<br>TL 52.00                | 2 - 1.5<br>1 - 3.0                               | <b>Ø 22.885</b><br>TL 67.50         |  |  |  |            |
|  |               | <b>TEIKIN NO.</b><br><b>31133</b>                     |                                                  | <b>TEIKIN NO.</b><br><b>P 31120</b> |  |  |  |            |
| <b>Surface Treatment</b><br>Chromated<br>Moly Skirt                                 |               | <b>Bore Clearance</b><br>MRC: 0.030 mm<br>MP: 8.00 mm | <b>REFERENCE NO.</b><br>04897772AA<br>04666130AB |                                     |  |  |  | <b>7</b>   |

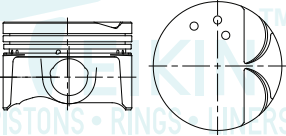
| CHRYSLER                                                                            |               |                                                       |                                    | GASOLINE APPLICATION                                                                                               |  |  |  | TEIKIN NO. |
|-------------------------------------------------------------------------------------|---------------|-------------------------------------------------------|------------------------------------|--------------------------------------------------------------------------------------------------------------------|--|--|--|------------|
| <b>3.6L</b>                                                                         | <b>6 cyl.</b> | <b>Ø 96.00</b><br>-0.5<br>CD 29.60<br>TL 51.50        | 2 - 1.2<br>1 - 2.0                 | <b>Ø 22.000</b><br>TL 52.00<br> |  |  |  |            |
|  |               | <b>TEIKIN NO.</b><br><b>31134</b>                     |                                    | <b>TEIKIN NO.</b><br><b>P 55106</b>                                                                                |  |  |  |            |
| <b>Surface Treatment</b><br>Chromated<br>Moly Skirt                                 |               | <b>Bore Clearance</b><br>MRC: 0.030 mm<br>MP: 8.00 mm | <b>REFERENCE NO.</b><br>05184347AG |                                                                                                                    |  |  |  | <b>8</b>   |

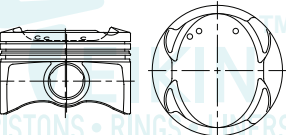
# ADDENDUM TO TEIKIN CATALOG VOL. 19 DATED JUNE 30, 2021

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

| CHRYSLER                                                                                                                        |  |                                                |                    | GASOLINE APPLICATION                                                                                             |  |  |  | TEIKIN NO. |
|---------------------------------------------------------------------------------------------------------------------------------|--|------------------------------------------------|--------------------|------------------------------------------------------------------------------------------------------------------|--|--|--|------------|
| <b>5.7L</b><br>Aspen 2009<br>Challenger 2009-2011<br>Durango 2009-2013<br>Ram 1500, 2500, 3500 2009-2013,<br>Ram 4000 2011-2013 |  | <b>Ø 99.50</b><br>+2.4<br>CD 30.00<br>TL 55.10 | 2 - 1.2<br>1 - 2.0 | <b>Ø 24.000</b><br>TL 63.00<br> |  |  |  |            |
| <br>PISTONS • RINGS • LINERS                   |  | TEIKIN NO.<br><b>31135</b>                     |                    | TEIKIN NO.<br><b>P 44262</b>                                                                                     |  |  |  |            |
| Surface Treatment: Chromated<br>Moly Skirt                                                                                      |  | Bore Clearance: MRC: 0.030 mm<br>MP: 8.00 mm   |                    |                                                                                                                  |  |  |  |            |
| REFERENCE NO.<br>53022257AE<br>53022258AE                                                                                       |  |                                                |                    |                                                                                                                  |  |  |  |            |
|                                                                                                                                 |  |                                                |                    |                                                                                                                  |  |  |  | 9          |

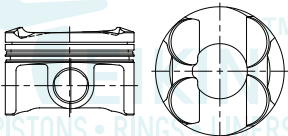
| DAIHATSU                                                                                                       |  |                                                |                               | GASOLINE APPLICATION         |  |  |  | TEIKIN NO. |
|----------------------------------------------------------------------------------------------------------------|--|------------------------------------------------|-------------------------------|------------------------------|--|--|--|------------|
| <b>KF-DET</b><br>MOVE CONTE (2008-2017)<br>PIXIS SPACE (2011-2017)                                             |  | <b>Ø 63.00</b><br>-3.7<br>CD 27.00<br>TL 43.00 | 1 - 1.0<br>1 - 1.2<br>1 - 2.0 | <b>Ø 18.000</b><br>TL 39.00  |  |  |  |            |
| <br>PISTONS • RINGS • LINERS |  | TEIKIN NO.<br><b>32154</b>                     |                               | TEIKIN NO.<br><b>P 32154</b> |  |  |  |            |
| Surface Treatment: Tin Coated<br>Anodized Crown<br>1st Ring Anodized                                           |  | Bore Clearance: MRC: 0.030 mm<br>MP: 5.50 mm   |                               |                              |  |  |  |            |
| REFERENCE NO.<br>13101-B2082                                                                                   |  |                                                |                               |                              |  |  |  |            |
|                                                                                                                |  |                                                |                               |                              |  |  |  | 10         |

| DAIHATSU                                                                                                        |  |                                                |                               | GASOLINE APPLICATION         |  |  |  | TEIKIN NO. |
|-----------------------------------------------------------------------------------------------------------------|--|------------------------------------------------|-------------------------------|------------------------------|--|--|--|------------|
| <b>KF-VE-II</b><br>ATRAI<br>CAST<br>COPEN<br>ESSE, HIJET<br>(2012-present)                                      |  | <b>Ø 63.00</b><br>-3.1<br>CD 26.90<br>TL 42.90 | 1 - 1.0<br>1 - 1.2<br>1 - 2.0 | <b>Ø 18.000</b><br>TL 39.00  |  |  |  |            |
| <br>PISTONS • RINGS • LINERS |  | TEIKIN NO.<br><b>32155</b>                     |                               | TEIKIN NO.<br><b>P 32154</b> |  |  |  |            |
| Surface Treatment: Chromated<br>Anodized Crown<br>1st Ring Anodized                                             |  | Bore Clearance: MRC: 0.030 mm<br>MP: 5.00 mm   |                               |                              |  |  |  |            |
| REFERENCE NO.<br>13101-B2092                                                                                    |  |                                                |                               |                              |  |  |  |            |
|                                                                                                                 |  |                                                |                               |                              |  |  |  | 11         |

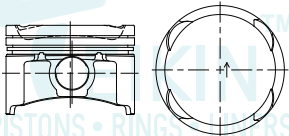
| DAIHATSU                                                                                                        |  |                                                                 |                               | GASOLINE APPLICATION         |  |  |  | TEIKIN NO. |
|-----------------------------------------------------------------------------------------------------------------|--|-----------------------------------------------------------------|-------------------------------|------------------------------|--|--|--|------------|
| <b>1KR-DE / 1KR-VE</b><br>DAIHATSU SIGRA 3 CYL<br>AYLA / HI-MAX 3 CYL                                           |  | <b>998 cc</b><br><b>Ø 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 | <b>Ø 18.000</b><br>TL 47.50  |  |  |  |            |
| <br>PISTONS • RINGS • LINERS |  | 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                                                                                |  |                                                                 |                               |                              |  |  |  |            |
|                                                                                                                 |  |                                                                 |                               |                              |  |  |  | 12         |

# ADDENDUM TO TEIKIN CATALOG VOL. 19 DATED JUNE 30, 2021

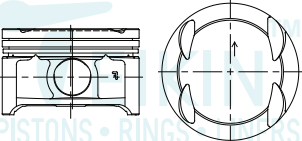
|                                                                                                  |                                                                                                 |                                                                                            |         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

| DAIHATSU                                                                                             |                                                       |                                         |                                                | GASOLINE APPLICATION                |                             |  |  |  | TEIKIN NO. |
|------------------------------------------------------------------------------------------------------|-------------------------------------------------------|-----------------------------------------|------------------------------------------------|-------------------------------------|-----------------------------|--|--|--|------------|
| <b>3NR-VE</b> 1197 cc<br>DAIHATSU SIGRA 4 CYL<br>AYLA 4 CYL                                          |                                                       | <b>4 cyl.</b>                           | <b>Ø 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       | <b>Ø 18.000</b><br>TL 53.00 |  |  |  |            |
| <br>PISTONS • RINGS |                                                       | <b>TEIKIN NO.</b><br><b>32152</b>       |                                                | <b>TEIKIN NO.</b><br><b>P 46332</b> |                             |  |  |  |            |
|                                                                                                      |                                                       | <b>REFERENCE NO.</b><br>13101-BZ270-001 |                                                |                                     |                             |  |  |  |            |
|                                                                                                      |                                                       |                                         |                                                |                                     |                             |  |  |  |            |
| <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: 5.50 mm |                                         |                                                |                                     |                             |  |  |  |            |

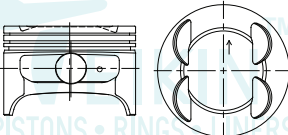
13

| FIAT                                                                               |                               |                                         |                        | GASOLINE APPLICATION                                                                                      |  |  |  | TEIKIN NO. |
|------------------------------------------------------------------------------------|-------------------------------|-----------------------------------------|------------------------|-----------------------------------------------------------------------------------------------------------|--|--|--|------------|
| DOBLO 1.4L                                                                         |                               | Ø 72.00<br>-8.0<br>CD 26.80<br>TL 49.90 | 2 - 1.2<br><br>1 - 2.0 | Ø 17.973<br>TL 53.00<br> |  |  |  |            |
| 4 cyl.                                                                             |                               |                                         |                        |                                                                                                           |  |  |  |            |
|  |                               | TEIKIN NO.                              | TEIKIN NO.             | TEIKIN NO.                                                                                                |  |  |  |            |
|                                                                                    |                               | 34139                                   | R 34139                | P 34122                                                                                                   |  |  |  |            |
|                                                                                    |                               |                                         |                        |                                                                                                           |  |  |  |            |
|                                                                                    |                               |                                         |                        |                                                                                                           |  |  |  |            |
| Surface Treatment                                                                  | Bore Clearance                | REFERENCE NO.                           | REFERENCE NO.          |                                                                                                           |  |  |  |            |
| Moly Skirt                                                                         | MRC: 0.030 mm<br>MP: 12.00 mm |                                         |                        |                                                                                                           |  |  |  |            |

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| FIAT                                                                                                            |  |                                              |                                                | GASOLINE APPLICATION   |                                                                                                             |  |  |  | TEIKIN NO. |
|-----------------------------------------------------------------------------------------------------------------|--|----------------------------------------------|------------------------------------------------|------------------------|-------------------------------------------------------------------------------------------------------------|--|--|--|------------|
| 1.6L1596 cc<br>PALIO SEDAN<br>PALIO HATCH BACK<br>PALIO ADVATURE<br>STILO<br>DOHC 16V                           |  | 4 cyl.                                       | Ø 80.50<br>-1.2<br>CD 28.40<br>TL 50.50        | 2 - 1.2<br><br>1 - 2.0 | Ø 21.000<br>TL 56.00<br> |  |  |  |            |
| <br>PISTONS • RINGS • SKIRTS |  | TEIKIN NO.<br>34140                          | TEIKIN NO.<br>P 38151                          |                        |                                                                                                             |  |  |  |            |
|                                                                                                                 |  | REFERENCE NO.<br>10136100                    |                                                |                        |                                                                                                             |  |  |  |            |
|                                                                                                                 |  | Surface Treatment<br>Chromated<br>Moly Skirt | Bore Clearance<br>MRC: 0.030 mm<br>MP: 9.00 mm |                        |                                                                                                             |  |  |  |            |

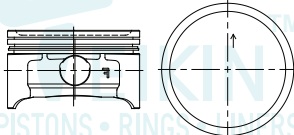
15

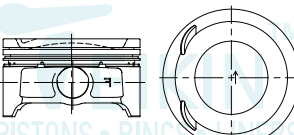
| FORD                                                                                                            |  |                                         |                               | GASOLINE APPLICATION |  |  |  |  | TEIKIN NO. |
|-----------------------------------------------------------------------------------------------------------------|--|-----------------------------------------|-------------------------------|----------------------|--|--|--|--|------------|
| FIESTA 1.6L DURATEC Ti-VCT 1600 cc<br>4 cyl.                                                                    |  | Ø 79.00<br>-0.4<br>CD 25.30<br>TL 53.30 | 1 - 1.2<br>1 - 1.5<br>1 - 2.0 | Ø 18.000<br>TL 54.00 |  |  |  |  |            |
| <br>PISTONS • RINGS • VALVES |  | TEIKIN NO.<br>35211                     | TEIKIN NO.<br>P 58107         |                      |  |  |  |  |            |
|                                                                                                                 |  | REFERENCE NO.                           |                               |                      |  |  |  |  |            |
|                                                                                                                 |  |                                         |                               |                      |  |  |  |  |            |
| Surface Treatment Bore Clearance<br>None MRC: 0.030 mm<br>MP: 17.00 mm                                          |  |                                         |                               |                      |  |  |  |  |            |

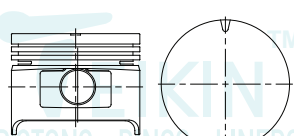
16

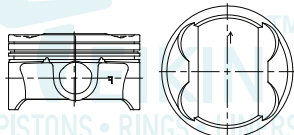
# ADDENDUM TO TEIKIN CATALOG VOL. 19 DATED JUNE 30, 2021

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

| FORD                                                                              |                          |                                                |                                | GASOLINE APPLICATION         |  |  |  |            |
|-----------------------------------------------------------------------------------|--------------------------|------------------------------------------------|--------------------------------|------------------------------|--|--|--|------------|
| <b>1.6L</b><br>KA 2000-2009<br>IKON 2009                                          | <b>1599 cc</b><br>4 cyl. | Ø <b>82.05</b><br>-3.0<br>CD 24.90<br>TL 48.50 | 1 - 1.2<br>1 - 1.5<br>1 - 2.0  | Ø 18.030<br>TL 60.00         |  |  |  | TEIKIN NO. |
|  |                          | TEIKIN NO.<br><b>35212</b>                     |                                | TEIKIN NO.<br><b>P 35212</b> |  |  |  |            |
| Surface Treatment: Chromated<br>Moly Skirt                                        |                          | Bore Clearance: MRC: 0.030 mm<br>MP: 11.00 mm  | REFERENCE NO.<br>FMXSG-6102GIH |                              |  |  |  |            |
|                                                                                   |                          |                                                |                                |                              |  |  |  | 17         |

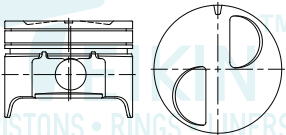
| FORD                                                                                             |                          |                                                |                             | GASOLINE APPLICATION         |  |  |  |            |
|--------------------------------------------------------------------------------------------------|--------------------------|------------------------------------------------|-----------------------------|------------------------------|--|--|--|------------|
| <b>2.5L-II</b><br>Fusion, Escape<br>Mercury Mariner<br>Milan, Mazda 3, 5, 6, CX7<br>DOHC 16 Val. | <b>2488 cc</b><br>4 cyl. | Ø <b>89.00</b><br>-6.9<br>CD 28.30<br>TL 50.50 | 2 - 1.2<br>1 - 2.5          | Ø 20.000<br>TL 55.00         |  |  |  | TEIKIN NO. |
|                |                          | TEIKIN NO.<br><b>35213</b>                     |                             | TEIKIN NO.<br><b>P 42108</b> |  |  |  |            |
| Surface Treatment: Chromated<br>Moly Skirt                                                       |                          | Bore Clearance: MRC: 0.030 mm<br>MP: 10.50 mm  | REFERENCE NO.<br>68031605AD |                              |  |  |  |            |
|                                                                                                  |                          |                                                |                             |                              |  |  |  | 18         |

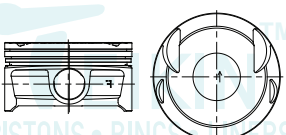
| FORD                                                                                |               |                                               |                               | GASOLINE APPLICATION         |  |  |  |            |
|-------------------------------------------------------------------------------------|---------------|-----------------------------------------------|-------------------------------|------------------------------|--|--|--|------------|
| <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. |
|  |               | 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.<br>D4ZZ6100A    |                              |  |  |  |            |
|                                                                                     |               |                                               |                               |                              |  |  |  | 19         |

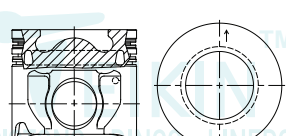
| FORD                                                                                |               |                                                |                               | GASOLINE APPLICATION         |  |  |  |            |
|-------------------------------------------------------------------------------------|---------------|------------------------------------------------|-------------------------------|------------------------------|--|--|--|------------|
| <b>3.7 LTS</b>                                                                      | <b>6 cyl.</b> | Ø <b>95.50</b><br>+0.8<br>CD 31.50<br>TL 55.20 | 1 - 1.2<br>1 - 1.5<br>1 - 2.5 | Ø 23.000<br>TL 56.00         |  |  |  | TEIKIN NO. |
|  |               | TEIKIN NO.<br><b>35207</b>                     |                               | TEIKIN NO.<br><b>P 34129</b> |  |  |  |            |
| Surface Treatment: Chromated<br>Moly Skirt                                          |               | Bore Clearance: MRC: 0.030 mm<br>MP: 7.50 mm   | REFERENCE NO.<br>BA5Z-6108-L  |                              |  |  |  |            |
|                                                                                     |               |                                                |                               |                              |  |  |  | 20         |

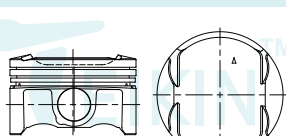
# ADDENDUM TO TEIKIN CATALOG VOL. 19 DATED JUNE 30, 2021

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

| FORD                                                                              |                               |                |         | GASOLINE APPLICATION |  |  |  | TEIKIN NO. |
|-----------------------------------------------------------------------------------|-------------------------------|----------------|---------|----------------------|--|--|--|------------|
| <b>MOT 2.3L</b>                                                                   |                               | <b>Ø 96.01</b> | 2 - 1.5 | Ø 23.170             |  |  |  |            |
| 4 cyl.                                                                            |                               | -2.6           |         | TL 76.20             |  |  |  |            |
| CD 40.10<br>TL 72.20                                                              |                               |                | 1 - 4.0 |                      |  |  |  |            |
|  |                               | TEIKIN NO.     |         | TEIKIN NO.           |  |  |  |            |
|                                                                                   |                               | 35210          |         | P 35169              |  |  |  |            |
| REFERENCE NO.<br>E5ZZ6108A                                                        |                               |                |         |                      |  |  |  |            |
| Surface Treatment                                                                 | Bore Clearance                |                |         |                      |  |  |  |            |
| None                                                                              | MRC: 0.030 mm<br>MP: 17.50 mm |                |         |                      |  |  |  | 21         |

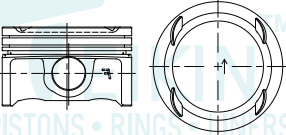
| FORD                                                                               |                              |                      |         | GASOLINE APPLICATION                                                              |  |  |  | TEIKIN NO. |
|------------------------------------------------------------------------------------|------------------------------|----------------------|---------|-----------------------------------------------------------------------------------|--|--|--|------------|
| <b>6.2L</b>                                                                        |                              | <b>Ø 102.00</b>      | 2 - 1.5 | Ø 24.000                                                                          |  |  |  |            |
| 8 cyl.                                                                             |                              | -0.5                 |         | TL 63.00                                                                          |  |  |  |            |
| F-150 Raptor 2010-2012<br>Super Duty Series 2011-2012<br>SOHC VCT                  |                              | CD 33.30<br>TL 55.00 | 1 - 2.5 |  |  |  |  |            |
|  |                              | TEIKIN NO.           |         | TEIKIN NO.                                                                        |  |  |  |            |
|                                                                                    |                              | 35214                |         | P 44262                                                                           |  |  |  |            |
| REFERENCE NO.<br>AL3Z6108A                                                         |                              |                      |         |                                                                                   |  |  |  |            |
| Surface Treatment                                                                  | Bore Clearance               |                      |         |                                                                                   |  |  |  |            |
| Chromated<br>Moly Skirt                                                            | MRC: 0.030 mm<br>MP: 7.00 mm |                      |         |                                                                                   |  |  |  | 22         |

| FORD                                                                                |                              |                      |            | DIESEL APPLICATION                                                                  |  |  |  | TEIKIN NO. |
|-------------------------------------------------------------------------------------|------------------------------|----------------------|------------|-------------------------------------------------------------------------------------|--|--|--|------------|
| <b>2.4L DURATORQ TDCI 16V</b>                                                       |                              | <b>Ø 89.90</b>       | 2 - 2.0    | Ø 32.000                                                                            |  |  |  |            |
| 5 cyl.                                                                              |                              | -16.3                |            | TL 72.00                                                                            |  |  |  |            |
| "PUMA" P5AT<br>2006 - Present<br>Ford Ranger (2006-Present)                         |                              | CD 53.50<br>TL 80.50 | 1 - 2.0    |  |  |  |  |            |
|  |                              | TEIKIN NO.           | TEIKIN NO. | TEIKIN NO.                                                                          |  |  |  |            |
|                                                                                     |                              | 35202AG-5            | R 35202    | P 46254                                                                             |  |  |  |            |
| REFERENCE NO.                                                                       |                              | REFERENCE NO.        |            |                                                                                     |  |  |  |            |
| Surface Treatment                                                                   | Bore Clearance               |                      |            |                                                                                     |  |  |  |            |
| Chromated<br>Moly Skirt                                                             | MRC: 0.030 mm<br>MP: 7.50 mm |                      |            | KS: 800051110000<br>KS: 800051140000<br>MAHLE: 01580N0<br>G-0814810000              |  |  |  | 23         |

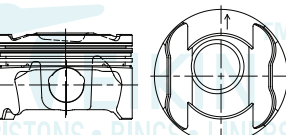
| GENERAL MOTORS                                                                      |                              |                      |            | GASOLINE APPLICATION                                                                |  |  |  | TEIKIN NO. |
|-------------------------------------------------------------------------------------|------------------------------|----------------------|------------|-------------------------------------------------------------------------------------|--|--|--|------------|
| <b>1.2L</b>                                                                         |                              | <b>Ø 69.70</b>       | 2 - 1.2    | Ø 18.000                                                                            |  |  |  |            |
| 4 cyl.                                                                              |                              | +2.4                 |            | TL 47.50                                                                            |  |  |  |            |
| SPARK 1.2L<br>(2011- 2015)                                                          |                              | CD 25.30<br>TL 44.30 | 1 - 2.0    |  |  |  |  |            |
|  |                              | TEIKIN NO.           | TEIKIN NO. | TEIKIN NO.                                                                          |  |  |  |            |
|                                                                                     |                              | 58139                | R 58139    | P 30110                                                                             |  |  |  |            |
| REFERENCE NO.<br>25193049                                                           |                              | REFERENCE NO.        |            |                                                                                     |  |  |  |            |
| Surface Treatment                                                                   | Bore Clearance               |                      |            |                                                                                     |  |  |  |            |
| Moly Skirt                                                                          | MRC: 0.030 mm<br>MP: 6.50 mm |                      |            |                                                                                     |  |  |  | 24         |

# ADDENDUM TO TEIKIN CATALOG VOL. 19 DATED JUNE 30, 2021

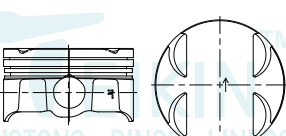
|                                                                                                  |                                                                                                 |                                                                                            |                                                                                          |                                                                                               |                                                                                                                      |                                                                                                      |
|--------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|
| <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>1.4L TURBO</b> 1364 cc<br>Trax 13-15<br>Cruze 11-15<br>Sonic RS 12-15<br>Volt 11-13<br>Buick Encore 2013 | <b>4 cyl.</b> | Ø 72.50<br>-2.9<br>CD 25.90<br>TL 44.10 | 2 - 1.2<br>1 - 2.0 | Ø 18.000<br>TL 47.50<br> |  |  |  |            |
|                            |               | TEIKIN NO.<br>58133                     |                    | TEIKIN NO.<br>P 30110                                                                                     |  |  |  |            |
| Surface Treatment: Chromated<br>Bore Clearance: MRC: 0.030 mm<br>Moly Skirt MP: 6.50 mm                     |               | REFERENCE NO.<br>55580184               |                    |                                                                                                           |  |  |  |            |
|                                                                                                             |               |                                         |                    |                                                                                                           |  |  |  |            |

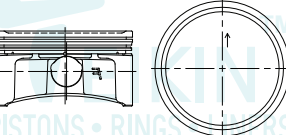
25

| GENERAL MOTORS                                                                                               |               |                                         |                    | GASOLINE APPLICATION                                                                                      |  |  |  | TEIKIN NO. |
|--------------------------------------------------------------------------------------------------------------|---------------|-----------------------------------------|--------------------|-----------------------------------------------------------------------------------------------------------|--|--|--|------------|
| <b>LYX 1.5L TURBO</b> 1490 cc<br>Malibu 2018-<br>GMC Terrain 2018-<br>Chevrolet Equinox LYX 1.5L Turbo 2018- | <b>4 cyl.</b> | Ø 74.00<br>+0.8<br>CD 28.00<br>TL 47.80 | 2 - 1.2<br>1 - 2.0 | Ø 19.000<br>TL 47.00<br> |  |  |  |            |
|                            |               | TEIKIN NO.<br>58127A                    |                    | TEIKIN NO.<br>P 44609                                                                                     |  |  |  |            |
| Surface Treatment: Moly Skirt<br>Bore Clearance: MRC: 0.030 mm<br>MP: 5.50 mm                                |               | REFERENCE NO.<br>12674548               |                    |                                                                                                           |  |  |  |            |
|                                                                                                              |               |                                         |                    |                                                                                                           |  |  |  |            |

26

| GENERAL MOTORS                                                                          |               |                                         |                       | GASOLINE APPLICATION                                                                                        |  |  |  | TEIKIN NO. |
|-----------------------------------------------------------------------------------------|---------------|-----------------------------------------|-----------------------|-------------------------------------------------------------------------------------------------------------|--|--|--|------------|
| <b>CRUZE</b><br>Aveo 09-12<br>Pontiac G3 09-10                                          | <b>4 cyl.</b> | Ø 79.00<br>-2.9<br>CD 26.80<br>TL 44.30 | 2 - 1.2<br>1 - 2.0    | Ø 19.000<br>TL 50.00<br> |  |  |  |            |
|      |               | TEIKIN NO.<br>58130                     | TEIKIN NO.<br>R 58130 | TEIKIN NO.<br>P 48205                                                                                       |  |  |  |            |
| Surface Treatment: Chromated<br>Bore Clearance: MRC: 0.030 mm<br>Moly Skirt MP: 7.00 mm |               | REFERENCE NO.<br>96476296               | REFERENCE NO.         |                                                                                                             |  |  |  |            |
|                                                                                         |               |                                         |                       |                                                                                                             |  |  |  |            |

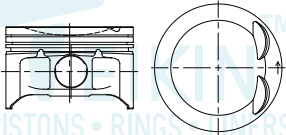
27

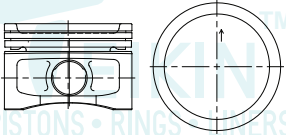
| GENERAL MOTORS                                                                          |               |                                                                                   |                                                                                          | GASOLINE APPLICATION  |  |  |  | TEIKIN NO. |
|-----------------------------------------------------------------------------------------|---------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|-----------------------|--|--|--|------------|
| <b>N18XFH</b> 1796 cc<br>Tornado 2010-2016<br>SOHC 8 Vál. LJ1 MPFI                      | <b>4 cyl.</b> | Ø 80.50<br>-1.2<br>CD 24.10<br>TL 44.70                                           | 2 - 1.2<br>1 - 2.0                                                                       | Ø 18.000<br>TL 56.00  |  |  |  |            |
|      |               | TEIKIN NO.<br>58136                                                               | TEIKIN NO.<br>R 58136                                                                    | TEIKIN NO.<br>P 30104 |  |  |  |            |
| Surface Treatment: Chromated<br>Bore Clearance: MRC: 0.030 mm<br>Moly Skirt MP: 9.00 mm |               | REFERENCE NO.<br>933 957 17<br>933 957 18<br>933 957 19<br>933 957 21<br>M-E14195 | REFERENCE NO.<br>KS: 800038910000<br>KS: 800038940000<br>MAHLE: 01202N0<br>MAHLE: A14195 |                       |  |  |  |            |
|                                                                                         |               |                                                                                   |                                                                                          |                       |  |  |  |            |

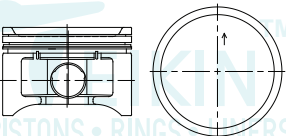
28

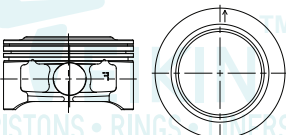
# ADDENDUM TO TEIKIN CATALOG VOL. 19 DATED JUNE 30, 2021

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

| GENERAL MOTORS                                                                             |                                 |                                                |                               | GASOLINE APPLICATION                |  |  |  | TEIKIN NO. |
|--------------------------------------------------------------------------------------------|---------------------------------|------------------------------------------------|-------------------------------|-------------------------------------|--|--|--|------------|
| <b>2.0L</b><br>Optra 04-11<br>Forenza 04-08<br>Daewoo Nubira 99-02<br>Reno 05-08           | <b>1998 cc</b><br><b>4 cyl.</b> | <b>Ø 86.00</b><br>-5.9<br>CD 30.20<br>TL 55.30 | 1 - 1.2<br>1 - 1.5<br>1 - 2.5 | <b>Ø 21.000</b><br>TL 66.00         |  |  |  |            |
|           |                                 | <b>TEIKIN NO.</b><br><b>58131</b>              |                               | <b>TEIKIN NO.</b><br><b>P 44121</b> |  |  |  |            |
| <b>Surface Treatment</b> Tin Coated<br><b>Bore Clearance</b> MRC: 0.030 mm<br>MP: 12.00 mm |                                 | <b>REFERENCE NO.</b><br>92067480               |                               |                                     |  |  |  |            |
|                                                                                            |                                 |                                                |                               |                                     |  |  |  | <b>29</b>  |

| GENERAL MOTORS                                                                                          |               |                                                |                               | GASOLINE APPLICATION                |  |  |  | TEIKIN NO. |
|---------------------------------------------------------------------------------------------------------|---------------|------------------------------------------------|-------------------------------|-------------------------------------|--|--|--|------------|
| <b>3.1L</b><br>MALIBU 97-04<br>155 CP<br>V6 OHV 12 Válv.                                                | <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 | <b>Ø 23.000</b><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> Tin Coated<br>Moly Skirt<br><b>Bore Clearance</b> MRC: 0.030 mm<br>MP: 7.50 mm |               | <b>REFERENCE NO.</b><br>20508726               |                               |                                     |  |  |  |            |
|                                                                                                         |               |                                                |                               |                                     |  |  |  | <b>30</b>  |

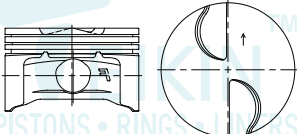
| GENERAL MOTORS                                                                                           |               |                                                |                               | GASOLINE APPLICATION                |  |  |  | TEIKIN NO. |
|----------------------------------------------------------------------------------------------------------|---------------|------------------------------------------------|-------------------------------|-------------------------------------|--|--|--|------------|
| <b>VENTURE 3.4</b><br>(Vin-E) Venture (Minivan)<br>97-04<br>V6                                           | <b>6 cyl.</b> | <b>Ø 92.00</b><br>-6.5<br>CD 37.80<br>TL 62.90 | 1 - 1.2<br>1 - 1.5<br>1 - 3.0 | <b>Ø 23.000</b><br>TL 56.00         |  |  |  |            |
|                       |               | <b>TEIKIN NO.</b><br><b>58124</b>              |                               | <b>TEIKIN NO.</b><br><b>P 34129</b> |  |  |  |            |
| <b>Surface Treatment</b> Tin Coated<br>Moly Skirt<br><b>Bore Clearance</b> MRC: 0.030 mm<br>MP: 10.00 mm |               | <b>REFERENCE NO.</b><br>24508727               |                               |                                     |  |  |  |            |
|                                                                                                          |               |                                                |                               |                                     |  |  |  | <b>31</b>  |

| GENERAL MOTORS                                                                                                     |               |                                                |                               | GASOLINE APPLICATION                |  |  |  | TEIKIN NO. |
|--------------------------------------------------------------------------------------------------------------------|---------------|------------------------------------------------|-------------------------------|-------------------------------------|--|--|--|------------|
| <b>4.2L</b><br>TrailBlazer, Envoy 02-05<br>Oldsmobile Bravada 02-04<br>Buick Rainier 04-05<br>Isuzu Ascender 03-06 | <b>6 cyl.</b> | <b>Ø 93.00</b><br>+2.3<br>CD 27.90<br>TL 52.10 | 1 - 1.2<br>1 - 1.5<br>1 - 2.5 | <b>Ø 23.000</b><br>TL 65.00         |  |  |  |            |
|                                 |               | <b>TEIKIN NO.</b><br><b>58132</b>              |                               | <b>TEIKIN NO.</b><br><b>P G2104</b> |  |  |  |            |
| <b>Surface Treatment</b> Chromated<br>Moly Skirt<br><b>Bore Clearance</b> MRC: 0.030 mm<br>MP: 8.00 mm             |               | <b>REFERENCE NO.</b><br>12482717<br>12585784   |                               |                                     |  |  |  |            |
|                                                                                                                    |               |                                                |                               |                                     |  |  |  | <b>32</b>  |

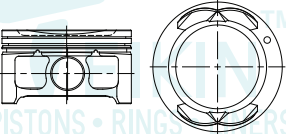
# ADDENDUM TO TEIKIN CATALOG VOL. 19 DATED 31, 2021

|                                                                                                  |                                                                                                 |                                                                                            |                                                                                          |                                                                                               |                                                                                                      |                                                                                                  |                                                                                                      |
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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 |
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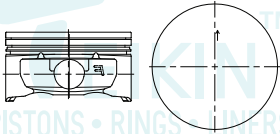
| GENERAL MOTORS |                   |            |       | GASOLINE APPLICATION |                                                                                   |        |  |  | TEIKIN NO. |
|----------------|-------------------|------------|-------|----------------------|-----------------------------------------------------------------------------------|--------|--|--|------------|
| LY7            | 3564 cc<br>6 cyl. | Ø          | 94.00 | 1 - 1.2              | Ø                                                                                 | 24.000 |  |  |            |
|                |                   |            | -3.1  | 1 - 1.5              | TL                                                                                | 61.00  |  |  |            |
|                |                   | CD         | 32.10 |                      |  |        |  |  |            |
|                |                   | TL         | 55.00 | 1 - 2.5              |                                                                                   |        |  |  |            |
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|                |                   | TEIKIN NO. |       | TEIKIN NO.           |                                                                                   |        |  |  |            |
|                |                   | 58126      |       | P 46300              |                                                                                   |        |  |  |            |
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| GENERAL MOTORS                                                                                                                                                                                                                                                                               |                |       |       | GASOLINE APPLICATION |                                                                                   |        |  |  | TEIKIN NO. |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|-------|-------|----------------------|-----------------------------------------------------------------------------------|--------|--|--|------------|
| <div>4.8L-II</div> <div>Express 2500, 3500 10-15<br/>Savana 2500, 3500 10-15<br/>Silverado 1500 10-13<br/>Sierra 1500 10-13<br/>OHV 16 Val. Flex Fuel</div> <div></div> <div>PISTONS • RINGS • LINKS</div> | 8 cyl.         | Ø     | 96.01 | 2 - 1.5              | Ø                                                                                 | 23.955 |  |  |            |
|                                                                                                                                                                                                                                                                                              |                |       | -4.6  |                      | TL                                                                                | 65.00  |  |  |            |
|                                                                                                                                                                                                                                                                                              | CD             | 34.00 |       | 1 - 3.0              |  |        |  |  |            |
|                                                                                                                                                                                                                                                                                              | TL             | 59.60 |       |                      |                                                                                   |        |  |  |            |
|                                                                                                                                                                                                                                                                                              | TEIKIN NO.     |       |       |                      | TEIKIN NO.                                                                        |        |  |  |            |
| 58134                                                                                                                                                                                                                                                                                        |                |       |       | P 58123              |                                                                                   |        |  |  |            |
| REFERENCE NO.                                                                                                                                                                                                                                                                                |                |       |       |                      |                                                                                   |        |  |  |            |
| 19208675                                                                                                                                                                                                                                                                                     |                |       |       |                      |                                                                                   |        |  |  |            |
| Surface Treatment                                                                                                                                                                                                                                                                            | Bore Clearance |       |       |                      |                                                                                   |        |  |  |            |
| Chromated                                                                                                                                                                                                                                                                                    | MRC: 0.030 mm  |       |       |                      |                                                                                   |        |  |  |            |
| Moly Skirt                                                                                                                                                                                                                                                                                   | MP: 11.00 mm   |       |       |                      |                                                                                   |        |  |  |            |

34

| GENERAL MOTORS                                                                                                                                                                                                 |                              |                |         | GASOLINE APPLICATION |  |  |  |  | TEIKIN NO. |
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| <b>3.9L</b><br>Uplander 06-08<br>Montecarlo 2006<br>Pontiac G6 06-09<br>Impala, Malibu 06-07<br>Buick Terreza 06-07<br><br> | <b>6 cyl.</b>                | <b>Ø 99.00</b> | 1 - 1.2 | <b>Ø 23.955</b>      |  |  |  |  |            |
|                                                                                                                                                                                                                |                              | -4.1           | 1 - 1.5 | TL 65.00             |  |  |  |  |            |
|                                                                                                                                                                                                                |                              | CD 33.20       |         |                      |  |  |  |  |            |
|                                                                                                                                                                                                                |                              | TL 56.20       | 1 - 2.5 |                      |  |  |  |  |            |
| <b>TEIKIN NO.</b>                                                                                                                                                                                              |                              |                |         | <b>TEIKIN NO.</b>    |  |  |  |  |            |
| 58129                                                                                                                                                                                                          |                              |                |         | P 58123              |  |  |  |  |            |
| <b>REFERENCE NO.</b>                                                                                                                                                                                           |                              |                |         |                      |  |  |  |  |            |
| 89018065                                                                                                                                                                                                       |                              |                |         |                      |  |  |  |  |            |
| <b>Surface Treatment</b>                                                                                                                                                                                       | <b>Bore Clearance</b>        |                |         |                      |  |  |  |  |            |
| Moly Skirt                                                                                                                                                                                                     | MRC: 0.030 mm<br>MP: 8.50 mm |                |         |                      |  |  |  |  |            |

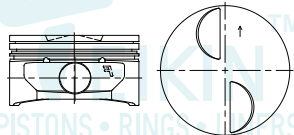
35

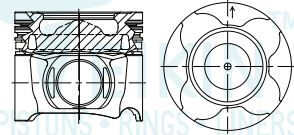
| GENERAL MOTORS                                                                                                          |                              |                           |                                      | GASOLINE APPLICATION          |                                                                                                             |  |  |  | TEIKIN NO. |
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| <b>VORTEC VIN 6</b><br>Silverado 1500, 2500<br>Suburban 2500<br>Sierra 1500, 2500<br>Yukon 1500, 2500<br>Corvette 05-07 |                              | <b>8 cyl.</b>             | Ø 101.60<br><br>CD 34.00<br>TL 55.90 | 1 - 1.2<br>1 - 1.5<br>1 - 2.5 | Ø 23.955<br>TL 65.00<br> |  |  |  |            |
| <br>PISTONS • RINGS • LINERS         |                              | TEIKIN NO.<br><br>58138   |                                      | TEIKIN NO.<br><br>P 58123     |                                                                                                             |  |  |  |            |
|                                                                                                                         |                              |                           |                                      |                               |                                                                                                             |  |  |  |            |
|                                                                                                                         |                              |                           |                                      |                               |                                                                                                             |  |  |  |            |
| Surface Treatment                                                                                                       | Bore Clearance               | REFERENCE NO.<br>19178305 |                                      |                               |                                                                                                             |  |  |  |            |
| Chromated<br>Moly Skirt                                                                                                 | MRC: 0.030 mm<br>MP: 7.50 mm |                           |                                      |                               |                                                                                                             |  |  |  |            |

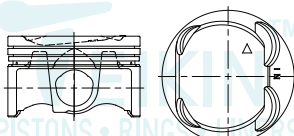
36

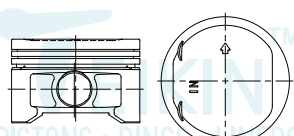
# ADDENDUM TO TEIKIN CATALOG VOL. 19 DATED JUNE 30, 2021

|                                                                                                  |                                                                                                 |                                                                                            |                                                                                          |                                                                                               |                                                                                                                                                                                            |                                                                                                      |
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| <br>ENGINE TYPE | <br>PISTON SET | <br>RINGS | <br>PIN | <br>BUSHING |  LINER<br> NO FLANGE | <br>LINER KIT SET |
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| GENERAL MOTORS                                                                                                              |  |                              |                                        | GASOLINE APPLICATION                                                                          |  |  |  | TEIKIN NO. |
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| <b>ESCALADE</b>                                                                                                             |  | <b>Ø 103.25</b>              | 2 - 1.5                                | <b>Ø 23.955</b>                                                                               |  |  |  |            |
| Silverado 1500 19-11 <b>8 cyl.</b><br>Tahoe 08-09<br>Sierra 1500, Yukon 07-11<br>Cadillac Escalade 07-11<br>Hummer H2 08-09 |  | -4.2<br>CD 34.00<br>TL 55.90 | 1 - 2.5                                | TL 65.00<br> |  |  |  |            |
|                                            |  | TEIKIN NO.<br><b>58135</b>   | TEIKIN NO.<br><b>R 58135</b>           | TEIKIN NO.<br><b>P 58123</b>                                                                  |  |  |  |            |
| Surface Treatment: Chromated<br>Bore Clearance: Moly Skirt<br>MRC: 0.030 mm<br>MP: 7.50 mm                                  |  | REFERENCE NO.<br>19178597    | REFERENCE NO.<br>19168090<br>M-42082CP |                                                                                               |  |  |  |            |
|                                                                                                                             |  |                              |                                        |                                                                                               |  |  |  | 37         |

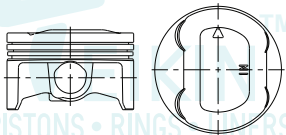
| GENERAL MOTORS                                                                                                                                |  |                               |                    | DIESEL APPLICATION                                                                            |  |  |  | TEIKIN NO. |
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| <b>LWN 2.8L VGT</b>                                                                                                                           |  | <b>Ø 94.00</b>                | 1 - 2.0 HK         | <b>Ø 32.000</b>                                                                               |  |  |  |            |
| GMC Canyon, Savana 16-18 <b>4 cyl.</b><br>Colorado, Express 16-18<br>Isuzu Mu-X (Thailand)<br>Chevrolet Trailblazer LWN 2.8L VGT Diesel 16-18 |  | -17.4<br>CD 52.00<br>TL 80.00 | 1 - 1.5<br>1 - 2.0 | TL 75.00<br> |  |  |  |            |
|                                                             |  | TEIKIN NO.<br><b>58128AG</b>  |                    | TEIKIN NO.<br><b>P 43678</b>                                                                  |  |  |  |            |
| Surface Treatment: Moly Skirt<br>Bore Clearance: MRC: 0.050 mm<br>MP: 11.00 mm                                                                |  | REFERENCE NO.<br>12674046     |                    |                                                                                               |  |  |  |            |
|                                                                                                                                               |  |                               |                    |                                                                                               |  |  |  | 38         |

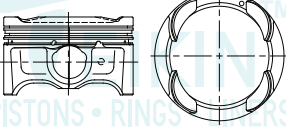
| HONDA                                                                               |  |                                |                    | GASOLINE APPLICATION                                                                            |  |  |  | TEIKIN NO. |
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| <b>L15B7</b>                                                                        |  | <b>Ø 73.00</b>                 | 1 - 1.2            | <b>Ø 19.960</b>                                                                                 |  |  |  |            |
| CIVIC (2017- 2020) <b>4 cyl.</b>                                                    |  | -5.0<br>CD 28.60<br>TL 44.50   | 1 - 1.0<br>1 - 2.0 | TL 46.00<br> |  |  |  |            |
|  |  | TEIKIN NO.<br><b>38210</b>     |                    | TEIKIN NO.<br><b>P 38186</b>                                                                    |  |  |  |            |
| Surface Treatment: Moly Skirt<br>Bore Clearance: MRC: 0.030 mm<br>MP: 5.00 mm       |  | REFERENCE NO.<br>13010-59B-J00 |                    |                                                                                                 |  |  |  |            |
|                                                                                     |  |                                |                    |                                                                                                 |  |  |  | 39         |

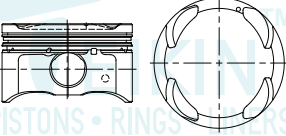
| HONDA                                                                               |  |                                                                  |                                                                                   | GASOLINE APPLICATION                                                                            |  |  |  | TEIKIN NO. |
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| <b>D16W7</b>                                                                        |  | <b>Ø 75.00</b>                                                   | 1 - 1.0                                                                           | <b>Ø 19.000</b>                                                                                 |  |  |  |            |
| HONDA CIVIC - CRV (01-)<br>SOCH 16V <b>4 cyl.</b>                                   |  | -0.8<br>CD 29.20<br>TL 48.80                                     | 1 - 1.2<br>1 - 2.0                                                                | TL 56.00<br> |  |  |  |            |
|  |  | TEIKIN NO.<br><b>38207</b>                                       | TEIKIN NO.<br><b>R 38170</b>                                                      | TEIKIN NO.<br><b>P 38145</b>                                                                    |  |  |  |            |
| Surface Treatment: None<br>Bore Clearance: MRC: 0.030 mm<br>MP: 6.50 mm             |  | REFERENCE NO.<br>13010-PLH-G00<br>13020-PLH-G00<br>13030-PLH-G00 | REFERENCE NO.<br>13011-PLM-A00<br>13011-PLR-004<br>13011-PLR-A00<br>13011-PLK-004 |                                                                                                 |  |  |  |            |
|                                                                                     |  |                                                                  |                                                                                   |                                                                                                 |  |  |  | 40         |

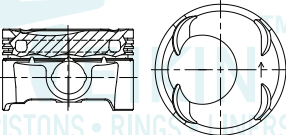
# ADDENDUM TO TEIKIN CATALOG VOL. 19 DATED JUNE 30, 2021

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

| HONDA                                                                             |                              |                                |                                                     | GASOLINE APPLICATION                                                              |  |  |  | TEIKIN NO. |
|-----------------------------------------------------------------------------------|------------------------------|--------------------------------|-----------------------------------------------------|-----------------------------------------------------------------------------------|--|--|--|------------|
| <b>R16A</b>                                                                       | <b>1595 cc</b>               | <b>Ø 81.00</b>                 | 2 - 1.2                                             | <b>Ø 19.960</b>                                                                   |  |  |  |            |
| CIVIC 06-11<br>SOHC 16V                                                           | <b>4 cyl.</b>                | <b>+2.0</b>                    |                                                     | <b>TL 46.00</b>                                                                   |  |  |  |            |
|                                                                                   |                              | CD 28.60<br>TL 51.00           | 1 - 2.0                                             |  |  |  |  |            |
|  |                              |                                |                                                     |                                                                                   |  |  |  |            |
| <b>Surface Treatment</b>                                                          | <b>Bore Clearance</b>        | <b>REFERENCE NO.</b>           | <b>REFERENCE NO.</b>                                |                                                                                   |  |  |  |            |
| Moly Skirt                                                                        | MRC: 0.030 mm<br>MP: 8.00 mm | 13010-RNF-E00<br>13010-RNF-E04 | 13011-RNA-A01/2<br>13011-RNB-A01<br>13021-RNA-A01/2 |                                                                                   |  |  |  | <b>41</b>  |

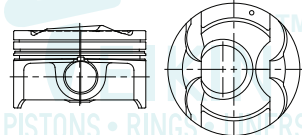
| HYUNDAI                                                                            |                              |                                           |                      | GASOLINE APPLICATION |  |  |  | TEIKIN NO. |
|------------------------------------------------------------------------------------|------------------------------|-------------------------------------------|----------------------|----------------------|--|--|--|------------|
| <b>KAPPA 1.25 MPI</b>                                                              | <b>1248 cc</b>               | <b>Ø 71.00</b>                            | 1 - 1.0              | <b>Ø 18.000</b>      |  |  |  |            |
| HYUNDAI i10                                                                        | <b>4 cyl.</b>                | <b>-3.0</b>                               | 1 - 1.2              | <b>TL 47.50</b>      |  |  |  |            |
|                                                                                    |                              | CD 24.70<br>TL 42.70                      | 1 - 2.0              |                      |  |  |  |            |
|  |                              |                                           |                      |                      |  |  |  |            |
| <b>Surface Treatment</b>                                                           | <b>Bore Clearance</b>        | <b>REFERENCE NO.</b>                      | <b>REFERENCE NO.</b> |                      |  |  |  |            |
| Tin Coated<br>Moly Skirt                                                           | MRC: 0.030 mm<br>MP: 7.50 mm | 23041-03330<br>23041-03340<br>23041-03350 | 23040-03000          |                      |  |  |  | <b>42</b>  |

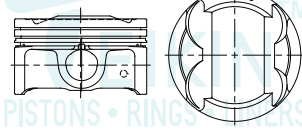
| HYUNDAI                                                                             |                              |                                           |                            | GASOLINE APPLICATION |  |  |  | TEIKIN NO. |
|-------------------------------------------------------------------------------------|------------------------------|-------------------------------------------|----------------------------|----------------------|--|--|--|------------|
| <b>G4LA-II</b>                                                                      | <b>1248 cc</b>               | <b>Ø 71.00</b>                            | 1 - 1.0                    | <b>Ø 18.000</b>      |  |  |  |            |
|                                                                                     | <b>4 cyl.</b>                | <b>-3.0</b>                               | 1 - 1.2                    | <b>TL 47.50</b>      |  |  |  |            |
|                                                                                     |                              | CD 24.70<br>TL 42.70                      | 1 - 2.0                    |                      |  |  |  |            |
|  |                              |                                           |                            |                      |  |  |  |            |
| <b>Surface Treatment</b>                                                            | <b>Bore Clearance</b>        | <b>REFERENCE NO.</b>                      | <b>REFERENCE NO.</b>       |                      |  |  |  |            |
| Tin Coated<br>Moly Skirt                                                            | MRC: 0.030 mm<br>MP: 6.00 mm | 23041-03230<br>23041-03240<br>23041-03250 | 23040-03000<br>23040-03050 |                      |  |  |  | <b>43</b>  |

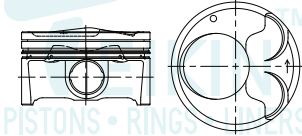
| HYUNDAI                                                                             |                              |                                           |                      | GASOLINE APPLICATION                                                                |  |  |  | TEIKIN NO. |
|-------------------------------------------------------------------------------------|------------------------------|-------------------------------------------|----------------------|-------------------------------------------------------------------------------------|--|--|--|------------|
| <b>G4LE</b>                                                                         | <b>1579 cc</b>               | <b>Ø 72.00</b>                            | 1 - 1.0              | <b>Ø 18.000</b>                                                                     |  |  |  |            |
| KIA NIRO 1.6L GDI HYBRID<br>IONIQ 1.6L GDI HYBRID<br>2017-2019<br>(16-)<br>DOHC 16V | <b>4 cyl.</b>                | <b>-3.6</b>                               | 1 - 1.2              | <b>TL 50.00</b>                                                                     |  |  |  |            |
|                                                                                     |                              | CD 26.60<br>TL 44.60                      | 1 - 2.0              |  |  |  |  |            |
|  |                              |                                           |                      |                                                                                     |  |  |  |            |
| <b>Surface Treatment</b>                                                            | <b>Bore Clearance</b>        | <b>REFERENCE NO.</b>                      | <b>REFERENCE NO.</b> |                                                                                     |  |  |  |            |
| Moly Skirt<br>Anodized Crown<br>1st Ring Anodized                                   | MRC: 0.030 mm<br>MP: 7.50 mm | 23041-03HA0<br>23041-03HB0<br>23041-03HC0 | 23040-03HA0          |                                                                                     |  |  |  | <b>44</b>  |

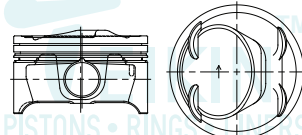
# ADDENDUM TO TEIKIN CATALOG VOL. 19 DATED JUNE 30, 2021

|                                                                                                  |                                                                                                 |                                                                                            |                                                                                          |                                                                                               |                                                                                                                                       |
|--------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|
| <br>ENGINE TYPE | <br>PISTON SET | <br>RINGS | <br>PIN | <br>BUSHING | <br>FLANGED<br>NO FLANGE<br>LINER<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. |
| <br>PISTONS • RINGS • LINERS | TEIKIN NO.                                                 |                                         | TEIKIN NO.                                                 | TEIKIN NO.           |  |  |  |            |
|                                                                                                               | 51155                                                      |                                         | R 51155                                                    | P 46332              |  |  |  |            |
|                                                                                                               | REFERENCE NO.<br>23041-2B600<br>23041-2B610<br>23041-2B620 |                                         | REFERENCE NO.<br>23040-2B600<br>23040-2B650<br>23040-2B800 |                      |  |  |  |            |
| Surface Treatment<br>Moly Skirt<br>Anodized Crown<br>1st Ring Anodized                                        | Bore Clearance<br>MRC: 0.030 mm<br>MP: 7.00 mm             |                                         |                                                            |                      |  |  |  | 45         |

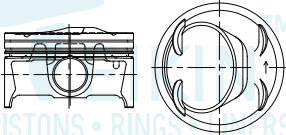
| HYUNDAI                                                                                                        |                                                |                                         |                    | GASOLINE APPLICATION |  |  |  |            |
|----------------------------------------------------------------------------------------------------------------|------------------------------------------------|-----------------------------------------|--------------------|----------------------|--|--|--|------------|
| <b>G4FA-II</b> 1396 cc<br>GAMMA DOHV<br>HYUNDAI ACCENT<br>2014-2015                                            | 4 cyl.                                         | Ø 77.00<br>+1.7<br>CD 26.90<br>TL 45.60 | 2 - 1.2<br>1 - 2.0 | Ø 18.000<br>TL 53.00 |  |  |  | TEIKIN NO. |
| <br>PISTONS • RINGS • LINERS | TEIKIN NO.                                     |                                         | TEIKIN NO.         | TEIKIN NO.           |  |  |  |            |
|                                                                                                                | 51159                                          |                                         |                    | P 46332              |  |  |  |            |
|                                                                                                                | REFERENCE NO.<br>23041-2B705                   |                                         |                    |                      |  |  |  |            |
| Surface Treatment<br>Tin Coated<br>Moly Skirt                                                                  | Bore Clearance<br>MRC: 0.030 mm<br>MP: 6.50 mm |                                         |                    |                      |  |  |  | 46         |

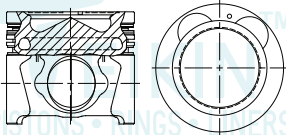
| HYUNDAI                                                                                                            |                                                            |                                         |                               | GASOLINE APPLICATION |  |  |  |            |
|--------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------|-----------------------------------------|-------------------------------|----------------------|--|--|--|------------|
| <b>G4NC</b> 1999 cc<br>CARENS, CERATO<br>ELANTRA, FORTE<br>I30, I40, IX35<br>RONDO, SOUL<br>SPORTAGE, TUCSON (11-) | 4 cyl.                                                     | Ø 81.00<br>+2.6<br>CD 28.50<br>TL 48.60 | 1 - 1.0<br>1 - 1.2<br>1 - 2.0 | Ø 20.000<br>TL 49.00 |  |  |  | TEIKIN NO. |
| <br>PISTONS • RINGS • LINERS    | TEIKIN NO.                                                 |                                         | TEIKIN NO.                    | TEIKIN NO.           |  |  |  |            |
|                                                                                                                    | 51160                                                      |                                         | R 51160                       | P 51146              |  |  |  |            |
|                                                                                                                    | REFERENCE NO.<br>23041-2E200<br>23041-2E210<br>23041-2E220 |                                         | REFERENCE NO.<br>23040-2E200  |                      |  |  |  |            |
| Surface Treatment<br>Moly Skirt<br>Anodized Crown<br>1st Ring Anodized                                             | Bore Clearance<br>MRC: 0.030 mm<br>MP: 6.00 mm             |                                         |                               |                      |  |  |  | 47         |

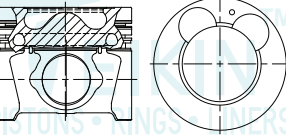
| HYUNDAI                                                                                                         |                                                            |                                         |                                                            | GASOLINE APPLICATION |  |  |  |            |
|-----------------------------------------------------------------------------------------------------------------|------------------------------------------------------------|-----------------------------------------|------------------------------------------------------------|----------------------|--|--|--|------------|
| <b>G4KC</b> 2359 cc<br>I45 SANTA FE, SONATA<br>KIA OPTIMA, SORETO<br>(10-13)<br>DOHC 16V                        | 4 cyl.                                                     | Ø 88.00<br>+3.7<br>CD 28.50<br>TL 54.70 | 2 - 1.2<br>1 - 2.0                                         | Ø 22.000<br>TL 52.00 |  |  |  | TEIKIN NO. |
| <br>PISTONS • RINGS • LINERS | TEIKIN NO.                                                 |                                         | TEIKIN NO.                                                 | TEIKIN NO.           |  |  |  |            |
|                                                                                                                 | 51161                                                      |                                         | R 51135                                                    | P 55106              |  |  |  |            |
|                                                                                                                 | REFERENCE NO.<br>23410-2G500<br>23410-2G510<br>23410-2G520 |                                         | REFERENCE NO.<br>23040-25200<br>23040-25250<br>23040-2G200 |                      |  |  |  |            |
| Surface Treatment<br>Moly Skirt<br>Anodized Crown<br>1st Ring Anodized                                          | Bore Clearance<br>MRC: 0.030 mm<br>MP: 9.00 mm             |                                         |                                                            |                      |  |  |  | 48         |

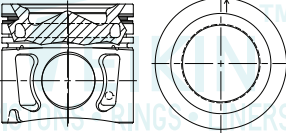
# ADDENDUM TO TEIKIN CATALOG VOL. 19 DATED JUNE 30, 2021

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

| HYUNDAI                                                                                |                                                        |                                                                   |                                                                   | GASOLINE APPLICATION                                                              |  |  |  | TEIKIN NO. |
|----------------------------------------------------------------------------------------|--------------------------------------------------------|-------------------------------------------------------------------|-------------------------------------------------------------------|-----------------------------------------------------------------------------------|--|--|--|------------|
| <b>G4KJ 2.4 GDI</b>                                                                    | <b>2359 cc</b>                                         | <b>Ø 88.00</b>                                                    | 2 - 1.2                                                           | <b>Ø 22.000</b>                                                                   |  |  |  |            |
| Santa Fe 2019-2020<br>Tucson 2014-2020<br>Santa Fe Sport 2013-2018<br>Sonata 2014-2019 | <b>4 cyl.</b>                                          | <b>+3.6</b>                                                       |                                                                   | TL 52.00                                                                          |  |  |  |            |
|       |                                                        | CD 28.50<br>TL 54.60                                              | 1 - 2.0                                                           |  |  |  |  |            |
| <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: 10.00 mm | <b>TEIKIN NO.</b><br><b>51164</b>                                 | <b>TEIKIN NO.</b><br><b>R 51135</b>                               | <b>TEIKIN NO.</b><br><b>P 55106</b>                                               |  |  |  |            |
|                                                                                        |                                                        | <b>REFERENCE NO.</b><br>23410-2G501<br>23410-2G521<br>23410-2G511 | <b>REFERENCE NO.</b><br>23040-25200<br>23040-25250<br>23040-2G200 |                                                                                   |  |  |  | <b>49</b>  |

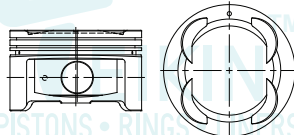
| HYUNDAI                                                                            |                                                       |                                     |          | DIESEL APPLICATION                                                                |  |  |  | TEIKIN NO. |
|------------------------------------------------------------------------------------|-------------------------------------------------------|-------------------------------------|----------|-----------------------------------------------------------------------------------|--|--|--|------------|
| <b>i10 GRAND</b>                                                                   | <b>3 cyl.</b>                                         | <b>Ø 75.00</b>                      | 2 - 1.75 | <b>Ø 28.000</b>                                                                   |  |  |  |            |
|                                                                                    |                                                       | <b>-11.9</b>                        |          | TL 62.00                                                                          |  |  |  |            |
|  |                                                       | CD 41.90<br>TL 65.70                | 1 - 3.0  |  |  |  |  |            |
| <b>Surface Treatment</b><br>Moly Skirt                                             | <b>Bore Clearance</b><br>MRC: 0.050 mm<br>MP: 7.00 mm | <b>TEIKIN NO.</b><br><b>51158AG</b> |          | <b>TEIKIN NO.</b><br><b>P 51150</b>                                               |  |  |  |            |
|                                                                                    |                                                       | <b>REFERENCE NO.</b>                |          |                                                                                   |  |  |  | <b>50</b>  |

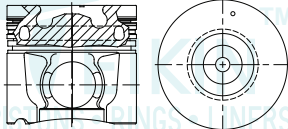
| HYUNDAI                                                                             |                                                       |                                                                                                 |                                                                                      | DIESEL APPLICATION                                                                  |                                          |                                                           |                      | TEIKIN NO. |
|-------------------------------------------------------------------------------------|-------------------------------------------------------|-------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|------------------------------------------|-----------------------------------------------------------|----------------------|------------|
| <b>D4FB</b>                                                                         | <b>1582 cc</b>                                        | <b>Ø 77.20</b>                                                                                  | 2 - 1.75                                                                             | <b>Ø 28.000</b>                                                                     |                                          |                                                           |                      |            |
| 1.6L CRDi DOHC 16v<br>10/2007<br>ACCENT ~ ECANTRA<br>I20 ~ I30 ~ I30CW              | <b>4 cyl.</b>                                         | <b>-12.7</b>                                                                                    |                                                                                      | TL 64.00                                                                            |                                          |                                                           |                      |            |
|  |                                                       | CD 41.90<br>TL 65.70                                                                            | 1 - 3.0                                                                              |  | TL 140.0<br>OD 81.2<br>FT 3.0<br>FD 83.0 | 140.0<br>81.2                                             |                      |            |
| <b>Surface Treatment</b><br>Moly Skirt                                              | <b>Bore Clearance</b><br>MRC: 0.030 mm<br>MP: 8.00 mm | <b>TEIKIN NO.</b><br><b>51154AG</b>                                                             | <b>TEIKIN NO.</b><br><b>R 51154</b>                                                  | <b>TEIKIN NO.</b><br><b>P 51154</b>                                                 | <b>TEIKIN NO.</b><br><b>B 51154</b>      | <b>TEIKIN NO.</b><br><b>LSF 51154</b><br><b>LSX 51154</b> |                      |            |
|                                                                                     |                                                       | <b>REFERENCE NO.</b><br>23410-2A967<br>23410-2A957<br>23410-2A977<br>23410-2A987<br>23410-2A997 | <b>REFERENCE NO.</b><br>23040-2A903<br>23040-2A913<br>23040-2A923<br>23040-2A960/1/2 | <b>REFERENCE NO.</b><br>23517-2A700                                                 |                                          | <b>Surface Treatment</b><br>None                          | <b>REFERENCE NO.</b> | <b>51</b>  |

| HYUNDAI                                                                             |                                                       |                                                                   |                                                    | DIESEL APPLICATION                                                                  |                                          |                                                           |                      | TEIKIN NO. |
|-------------------------------------------------------------------------------------|-------------------------------------------------------|-------------------------------------------------------------------|----------------------------------------------------|-------------------------------------------------------------------------------------|------------------------------------------|-----------------------------------------------------------|----------------------|------------|
| <b>D4HA</b>                                                                         | <b>1995 cc</b>                                        | <b>Ø 84.00</b>                                                    | 1 - 2.5 FK                                         | <b>Ø 34.000</b>                                                                     |                                          |                                                           |                      |            |
| 2.0 CDRI<br>IX35, TUCSON<br>SANTA FE 10<br>SANTA FE 12<br>2010 - 2015               | <b>4 cyl.</b>                                         | <b>-13.5</b>                                                      | 1 - 2.0                                            | TL 65.00                                                                            |                                          |                                                           |                      |            |
|  |                                                       | CD 48.90<br>TL 75.90                                              | 1 - 3.0                                            |  | TL 172.0<br>OD 88.0<br>FT 4.0<br>FD 92.0 | 150.0<br>88.0                                             |                      |            |
| <b>Surface Treatment</b><br>Chromated<br>Moly Skirt                                 | <b>Bore Clearance</b><br>MRC: 0.070 mm<br>MP: 7.00 mm | <b>TEIKIN NO.</b><br><b>51163AG</b>                               | <b>TEIKIN NO.</b><br><b>R 51163</b>                | <b>TEIKIN NO.</b><br><b>P 46348</b>                                                 | <b>TEIKIN NO.</b><br><b>B 51163</b>      | <b>TEIKIN NO.</b><br><b>LSF 51163</b><br><b>LSX 51163</b> |                      |            |
|                                                                                     |                                                       | <b>REFERENCE NO.</b><br>23410-2F930<br>23410-2F931<br>23410-2F932 | <b>REFERENCE NO.</b><br>23040-2F900<br>23040-2F930 | <b>REFERENCE NO.</b><br>23517-2F000                                                 |                                          | <b>Surface Treatment</b><br>None                          | <b>REFERENCE NO.</b> | <b>52</b>  |

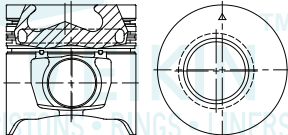
# ADDENDUM TO TEIKIN CATALOG VOL. 19 DATED JUNE 30, 2021

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

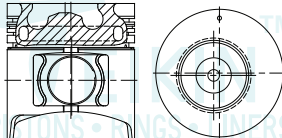
| ISUZU                                                                             |                                                                  |                                                |                                                 |                             | GASOLINE APPLICATION |  |  |  |            |
|-----------------------------------------------------------------------------------|------------------------------------------------------------------|------------------------------------------------|-------------------------------------------------|-----------------------------|----------------------|--|--|--|------------|
| <b>6VD1-IV</b> 3165 cc<br>PICK UP<br>TFR/TFS<br>(97-)<br>DOHC 24V                 | <b>6 cyl.</b>                                                    | <b>Ø 93.40</b><br>-2.0<br>CD 33.40<br>TL 57.00 | 2 - 1.5<br>1 - 3.0                              | <b>Ø 22.000</b><br>TL 66.00 |                      |  |  |  | TEIKIN NO. |
|  | TEIKIN NO.                                                       |                                                | TEIKIN NO.                                      | TEIKIN NO.                  |                      |  |  |  |            |
|                                                                                   | 39243                                                            |                                                | R 39673                                         | P 39104                     |                      |  |  |  |            |
|                                                                                   | REFERENCE NO.<br>8-97180-192-0<br>8-97180-193-0<br>8-97180-194-0 |                                                | REFERENCE NO.<br>8-97136-135-0<br>8-97170-113-0 |                             |                      |  |  |  |            |
| Surface Treatment<br>None                                                         | Bore Clearance<br>MRC: 0.030 mm<br>MP: 8.50 mm                   |                                                |                                                 |                             |                      |  |  |  |            |
|                                                                                   |                                                                  |                                                |                                                 |                             |                      |  |  |  | 53         |

| ISUZU                                                                                                                                           |  |                                                |                                  | DIESEL APPLICATION                                                                                        |                                      |                                                 |               |                                            |
|-------------------------------------------------------------------------------------------------------------------------------------------------|--|------------------------------------------------|----------------------------------|-----------------------------------------------------------------------------------------------------------|--------------------------------------|-------------------------------------------------|---------------|--------------------------------------------|
| 4JK1-TCS/4JK1-TCX 2499 cc<br>TFR, TFS, UCR, UCS 2011-<br><br> |  | Ø 95.40<br>-16.8<br>CD 58.50<br>TL 87.20       | 1 - 2.0 HK<br>1 - 1.5<br>1 - 3.0 | Ø 34.000<br>TL 78.00<br> |                                      | TL 180.0<br>OD 99.4<br>FT 4.0<br>FD 103.4       | 177.0<br>99.4 | TEIKIN NO.<br>LKSF 39245AG<br>LKSX 39245AG |
| TEIKIN NO.<br>39245AG                                                                                                                           |  | TEIKIN NO.<br>R 39245                          | TEIKIN NO.<br>P 39188            | TEIKIN NO.<br>B 39674                                                                                     | TEIKIN NO.<br>LSF 39661<br>LSX 39661 |                                                 |               |                                            |
| Surface Treatment<br>Moly Skirt                                                                                                                 |  | Bore Clearance<br>MRC: 0.030 mm<br>MP: 7.00 mm |                                  | REFERENCE NO.<br>8-98132-548-1<br>8-98132-549-1<br>8-98132-550-1<br>8-98132-707-1<br>8-98132-708-1        |                                      | REFERENCE NO.<br>8-97311-438-0<br>8-97383-066-0 |               | REFERENCE NO.                              |

54

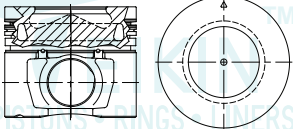
| ISUZU                           |                                                                                     |                                            |                                             |                                                                                                             | DIESEL APPLICATION             |                                                                  |  |                                                |  |
|---------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------|---------------------------------------------|-------------------------------------------------------------------------------------------------------------|--------------------------------|------------------------------------------------------------------|--|------------------------------------------------|--|
| 6HE1-TC<br>7127 cc<br>6 cyl.    |  | Ø 110.00<br>-22.6<br>CD 66.20<br>TL 110.10 | 1 - 3.0 HK<br>1 - 2.0<br>1 - 1.2<br>1 - 3.0 | Ø 40.000<br>TL 87.00<br> |                                | TL 210.0<br>OD 113.0<br>FT 5.6 + 0.4<br>FD 119.7                 |  | TEIKIN NO.<br>LKFF 39664AG-6<br>LKSF 39664AG-6 |  |
|                                 |                                                                                     | TEIKIN NO.<br>39664AG-6                    | TEIKIN NO.<br>R 39664                       | TEIKIN NO.<br>P 39671                                                                                       | TEIKIN NO.<br>B 39664          | *DIMENSION IS FOR LFF                                            |  |                                                |  |
|                                 |                                                                                     |                                            |                                             |                                                                                                             |                                | TEIKIN NO.<br>LFF 39607*<br>LSF 39607                            |  |                                                |  |
|                                 |                                                                                     |                                            |                                             |                                                                                                             |                                | Surface Treatment                                                |  |                                                |  |
|                                 |                                                                                     |                                            |                                             |                                                                                                             |                                | *Phosphate (PH)                                                  |  |                                                |  |
| Surface Treatment<br>Moly Skirt | Bore Clearance<br>MRC: 0.050 mm<br>MP: 18.50 mm                                     | REFERENCE NO.<br>8-94391-696-0             | REFERENCE NO.<br>8-97166-992-0              |                                                                                                             | REFERENCE NO.<br>8-94394-613-0 | REFERENCE NO.<br>8-94396-332-0<br>8-94391-600-0<br>8-94391-601-0 |  |                                                |  |

55

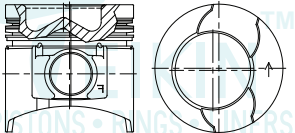
| ISUZU                                                                                                                                                                                                                                                                                                     |                                                                               |                                                                                                                              |                                                                                                                                        | DIESEL APPLICATION                                |                                                                                                     |                                                                       |    |  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------|-----------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------|----|--|
| <div>6HE1-T-II</div> <div>7127 cc</div> <div>6 cyl.</div> <div></div> <div><div>Surface Treatment</div><div>Tin Coated</div></div> <div><div>Bore Clearance</div><div>MRC: 0.110 mm</div><div>MP: 34.00 mm</div></div> | <div>Ø 110.00</div> <div>-23.0</div> <div>CD 66.10</div> <div>TL 119.70</div> | <div>1 - 3.9 FK</div> <div>1 - 3.0</div> <div>1 - 2.5</div> <div>1 - 3.0</div>                                               | <div>Ø 40.000</div> <div>TL 87.00</div> <div></div> |                                                   | <div>TL 210.0</div> <div>OD 113.0</div> <div>FT 5.6 + 0.4</div> <div>FD 119.7</div>                 | <div>TEIKIN NO.</div> <div>LKFF 39683AG</div> <div>LKSF 39683AG</div> |    |  |
|                                                                                                                                                                                                                                                                                                           | <div>TEIKIN NO.</div> <div>39683AG</div>                                      | <div>TEIKIN NO.</div> <div>R 39663</div>                                                                                     | <div>TEIKIN NO.</div> <div>P 39665</div>                                                                                               | <div>TEIKIN NO.</div> <div>B 39663</div>          | <div>TEIKIN NO.</div> <div>LFF 39607*</div> <div>LSF 39607</div>                                    |                                                                       |    |  |
|                                                                                                                                                                                                                                                                                                           |                                                                               |                                                                                                                              |                                                                                                                                        |                                                   | <div>Surface Treatment</div> <div>*Phosphate (PH)</div>                                             |                                                                       |    |  |
|                                                                                                                                                                                                                                                                                                           | <div>REFERENCE NO.</div> <div>8-94391-605-0</div>                             | <div>REFERENCE NO.</div> <div>8-94390-529-1</div> <div>8-94395-061-3</div> <div>8-94395-061-4</div> <div>8-94395-061-5</div> |                                                                                                                                        | <div>REFERENCE NO.</div> <div>8-94394-613-0</div> | <div>REFERENCE NO.</div> <div>8-94391-600-0</div> <div>8-94391-601-0</div> <div>8-94396-332-0</div> |                                                                       |    |  |
|                                                                                                                                                                                                                                                                                                           |                                                                               |                                                                                                                              |                                                                                                                                        |                                                   |                                                                                                     |                                                                       | 56 |  |

# ADDENDUM TO TEIKIN CATALOG VOL. 19 DATED JUNE 30, 2021

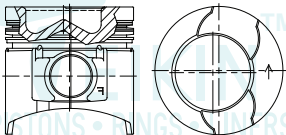
|                                                                                                  |                                                                                                 |                                                                                            |         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

| ISUZU                                                                             |                                 |                                                                         |                                  | DIESEL APPLICATION                                                                                               |  |                                                        |                                |                                              |                                                   |
|-----------------------------------------------------------------------------------|---------------------------------|-------------------------------------------------------------------------|----------------------------------|------------------------------------------------------------------------------------------------------------------|--|--------------------------------------------------------|--------------------------------|----------------------------------------------|---------------------------------------------------|
| <b>4HK1-TC</b><br>ELF400/450 ~<br>NPR ~ NPS ~ NQR<br>1994-                        | <b>5193 cc</b><br><b>4 cyl.</b> | <b>Ø 115.00</b><br>-18.8<br>CD 66.10<br>TL 96.60                        | 1 - 3.0 HK<br>1 - 2.5<br>1 - 4.0 | <b>Ø 40.000</b><br>TL 87.00<br> |  | TL<br>OD<br>FT<br>FD                                   | 210.0<br>118.0<br>6.0<br>123.7 |                                              | <b>TEIKIN NO.</b><br>LKFF 39244AG<br>LKSF 39244AG |
|                                                                                   |                                 |                                                                         |                                  |                                                                                                                  |  |                                                        |                                |                                              |                                                   |
|                                                                                   |                                 |                                                                         |                                  |                                                                                                                  |  |                                                        |                                |                                              |                                                   |
|                                                                                   |                                 |                                                                         |                                  |                                                                                                                  |  |                                                        |                                |                                              |                                                   |
|                                                                                   |                                 |                                                                         |                                  |                                                                                                                  |  |                                                        |                                |                                              |                                                   |
|  |                                 |                                                                         |                                  |                                                                                                                  |  |                                                        |                                |                                              |                                                   |
| <b>TEIKIN NO.</b><br>39244AG                                                      |                                 | <b>TEIKIN NO.</b><br>R 39653                                            |                                  | <b>TEIKIN NO.</b><br>P 39671                                                                                     |  | <b>TEIKIN NO.</b><br>B 39671                           |                                | <b>TEIKIN NO.</b><br>LFF 39671*<br>LSF 39671 |                                                   |
|                                                                                   |                                 |                                                                         |                                  |                                                                                                                  |  |                                                        |                                | <b>Surface Treatment</b><br>*Phosphate (PH)  |                                                   |
| <b>REFERENCE NO.</b><br>8-97602-800-0                                             |                                 | <b>REFERENCE NO.</b><br>8-97105-867-0<br>8-97219-054-0<br>8-98055-478-0 |                                  | <b>REFERENCE NO.</b><br>8-94391-794-0                                                                            |  | <b>REFERENCE NO.</b><br>8-98014-046-0<br>8-98014-047-0 |                                |                                              |                                                   |
| <b>Surface Treatment</b><br>Moly Skirt                                            |                                 | <b>Bore Clearance</b><br>MRC: 0.030 mm<br>MP: 5.00 mm                   |                                  |                                                                                                                  |  |                                                        |                                |                                              |                                                   |

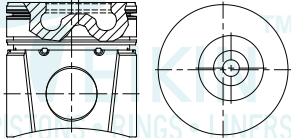
57

| KOMATSU                                                                                                                                                                                                                                                               |                                                                      |                                                  |                                                                                                                               | DIESEL APPLICATION                       |                                                                   |                                                                                    |  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------|--------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|------------------------------------------|-------------------------------------------------------------------|------------------------------------------------------------------------------------|--|
| <div>S6D95</div> <div>1 cyl.</div> <div></div> <div><div>Surface Treatment</div><div>Bore Clearance</div></div> <div><div>None</div><div>MRC: 0.060 mm<br/>MP: 21.40 mm</div></div> | <div>Ø 95.00</div> <div>-19.6</div> <div>CD 51.20<br/>TL 94.20</div> | <div>1 - 2.5 FK<br/>1 - 2.3 HK<br/>1 - 4.0</div> | <div>Ø 30.000<br/>TL 74.00</div> <div></div> |                                          | <div>TL 180.0<br/>OD 98.0<br/>FT 4.0<br/>FD 104.0</div>           | <div>TEIKIN NO.</div> <div>LKFF 64101A-1</div>                                     |  |
|                                                                                                                                                                                                                                                                       | <div>TEIKIN NO.</div> <div>64101A-1</div>                            | <div>TEIKIN NO.</div> <div>R 64101</div>         | <div>TEIKIN NO.</div> <div>P 44630</div>                                                                                      | <div>TEIKIN NO.</div> <div>B 64101</div> | <div>TEIKIN NO.</div> <div>LFF 64605*</div>                       |                                                                                    |  |
|                                                                                                                                                                                                                                                                       | <div>REFERENCE NO.</div> <div>6207-31-2141</div>                     |                                                  | <div>REFERENCE NO.</div> <div>6207-31-2400<br/>6207-31-2500<br/>6207-31-2501</div>                                            |                                          | <div>REFERENCE NO.</div> <div>6206-31-3130<br/>6207-31-3130</div> | <div>REFERENCE NO.</div> <div>6207-21-2110<br/>6207-21-2120<br/>6207-21-2121</div> |  |
|                                                                                                                                                                                                                                                                       | <div>Surface Treatment</div>                                         |                                                  | <div>Bore Clearance</div>                                                                                                     |                                          | <div>Surface Treatment</div>                                      |                                                                                    |  |
|                                                                                                                                                                                                                                                                       | <div>None</div>                                                      |                                                  | <div>MRC: 0.060 mm<br/>MP: 21.40 mm</div>                                                                                     |                                          | <div>*Phosphate (PH)</div>                                        |                                                                                    |  |

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| KOMATSU                                                                                                                                              |                                                                             |                                                                |                                                                                                                                        | DIESEL APPLICATION                                                       |                                                                                                  |  |                                              |
|------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------|----------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|--|----------------------------------------------|
| <div>S6D95</div> <div>4890 cc</div> <div>6 cyl.</div> <div></div> | <div>Ø 95.00</div> <div>-19.6</div> <div>CD 51.20</div> <div>TL 94.20</div> | <div>1 - 2.5 FK</div> <div>1 - 2.3 HK</div> <div>1 - 4.0</div> | <div>Ø 30.000</div> <div>TL 74.00</div> <div></div> |                                                                          | <div>TL 180.0</div> <div>OD 98.0</div> <div>FT 4.0</div> <div>FD 104.0</div>                     |  | <div>TEIKIN NO.</div> <div>LKFF 64101A</div> |
|                                                                                                                                                      |                                                                             |                                                                |                                                                                                                                        |                                                                          |                                                                                                  |  |                                              |
|                                                                                                                                                      |                                                                             |                                                                |                                                                                                                                        |                                                                          |                                                                                                  |  |                                              |
|                                                                                                                                                      |                                                                             |                                                                |                                                                                                                                        |                                                                          |                                                                                                  |  |                                              |
|                                                                                                                                                      |                                                                             |                                                                |                                                                                                                                        |                                                                          |                                                                                                  |  |                                              |
| <div>TEIKIN NO.</div> <div>64101A</div>                                                                                                              | <div>TEIKIN NO.</div> <div>R 64101</div>                                    | <div>TEIKIN NO.</div> <div>P 44630</div>                       | <div>TEIKIN NO.</div> <div>B 64101</div>                                                                                               | <div>TEIKIN NO.</div> <div>LFF 64605*</div>                              |                                                                                                  |  |                                              |
|                                                                                                                                                      |                                                                             |                                                                | <div>Surface Treatment</div> <div>*Phosphate (PH)</div>                                                                                |                                                                          |                                                                                                  |  |                                              |
| <div>Surface Treatment</div> <div>None</div>                                                                                                         | <div>Bore Clearance</div> <div>MRC: 0.060 mm</div> <div>MP: 21.40 mm</div>  | <div>REFERENCE NO.</div> <div>6207-31-2141</div>               | <div>REFERENCE NO.</div> <div>6207-31-2400</div> <div>6207-31-2500</div> <div>6207-31-2501</div>                                       | <div>REFERENCE NO.</div> <div>6206-31-3130</div> <div>6207-31-3130</div> | <div>REFERENCE NO.</div> <div>6207-21-2110</div> <div>6207-21-2120</div> <div>6207-21-2121</div> |  |                                              |

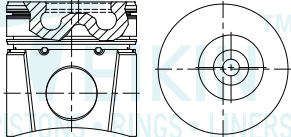
59

| KOMATSU                                                                                                                                                                                             |                                                                                                    |                                                                          |                                                                                                                                        | DIESEL APPLICATION                                                                               |                                                  |                                   |                                                |  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|--------------------------------------------------|-----------------------------------|------------------------------------------------|--|
| <div>S6D102</div> <div>1 cyl.</div> <div></div> <div><div>Surface Treatment</div><div>Bore Clearance</div></div> | <div>Ø 102.00</div> <div>-22.0</div> <div>CD 71.60</div> <div>TL 105.40</div>                      | <div>1 - 2.9 FK</div> <div>1 - 2.4</div> <div>1 - 4.0</div>              | <div>Ø 40.000</div> <div>TL 83.00</div> <div></div> |                                                                                                  |                                                  | <div>200.0</div> <div>104.5</div> | <div>TEIKIN NO.</div> <div>LKSX 64102A-1</div> |  |
|                                                                                                                                                                                                     | <div>TEIKIN NO.</div> <div>64102A-1</div>                                                          | <div>TEIKIN NO.</div> <div>R 64102</div>                                 | <div>TEIKIN NO.</div> <div>P 64102</div>                                                                                               | <div>TEIKIN NO.</div> <div>B 64102</div>                                                         | <div>TEIKIN NO.</div> <div>LSX 64102</div>       |                                   |                                                |  |
|                                                                                                                                                                                                     |                                                                                                    |                                                                          |                                                                                                                                        |                                                                                                  | <div>Surface Treatment</div> <div>None</div>     |                                   |                                                |  |
|                                                                                                                                                                                                     | <div>REFERENCE NO.</div> <div>6735-31-2111-0</div> <div>6735-31-2110</div> <div>6735-31-2140</div> | <div>REFERENCE NO.</div> <div>6738-31-2030</div> <div>6738-31-2031</div> |                                                                                                                                        | <div>REFERENCE NO.</div> <div>6732-31-3130</div> <div>6732-31-3131</div> <div>6732-31-3132</div> | <div>REFERENCE NO.</div> <div>6736-29-2110</div> |                                   |                                                |  |
|                                                                                                                                                                                                     | <div>None</div>                                                                                    | <div>MRC: 0.100 mm</div> <div>MP: 10.00 mm</div>                         |                                                                                                                                        |                                                                                                  |                                                  |                                   |                                                |  |

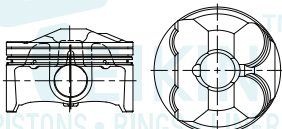
60

# ADDENDUM TO TEIKIN CATALOG VOL. 19 DATED JUNE 30, 2021

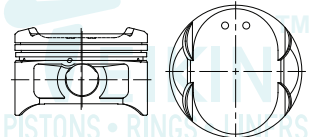
|                                                                                                  |                                                                                                 |                                                                                            |         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

| KOMATSU                                                                           |                               |                                                                 |                                               | DIESEL APPLICATION                                                                |                                                               |                         |                               |                           |
|-----------------------------------------------------------------------------------|-------------------------------|-----------------------------------------------------------------|-----------------------------------------------|-----------------------------------------------------------------------------------|---------------------------------------------------------------|-------------------------|-------------------------------|---------------------------|
| S6D102                                                                            | 5900 cc<br>6 cyl.             | Ø 102.00<br>-22.0                                               | 1 - 2.9 FK<br>1 - 2.4<br>1 - 4.0              | Ø 40.000<br>TL 83.00                                                              |                                                               |                         | 200.0<br>104.5                | TEIKIN NO.<br>LKSX 64102A |
|                                                                                   |                               | CD 71.60<br>TL 105.40                                           |                                               |  |                                                               |                         |                               |                           |
|                                                                                   |                               | TEIKIN NO.<br>64102A                                            | TEIKIN NO.<br>R 64102                         | TEIKIN NO.<br>P 64102                                                             | TEIKIN NO.<br>B 64102                                         | TEIKIN NO.<br>LSX 64102 |                               |                           |
|  |                               |                                                                 |                                               |                                                                                   |                                                               |                         |                               |                           |
| Surface Treatment                                                                 | Bore Clearance                | REFERENCE NO.<br>6735-31-2111-0<br>6735-31-2110<br>6735-31-2140 | REFERENCE NO.<br>6738-31-2030<br>6738-31-2031 |                                                                                   | REFERENCE NO.<br>6732-31-3130<br>6732-31-3131<br>6732-31-3132 |                         | REFERENCE NO.<br>6736-29-2110 |                           |
| None                                                                              | MRC: 0.100 mm<br>MP: 10.00 mm |                                                                 |                                               |                                                                                   |                                                               |                         |                               |                           |

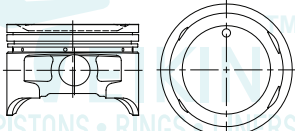
61

| MAZDA                                                                              |  |                                |                 | GASOLINE APPLICATION                                                                          |  |  |  |            |
|------------------------------------------------------------------------------------|--|--------------------------------|-----------------|-----------------------------------------------------------------------------------------------|--|--|--|------------|
| SKYACTIV-G-II 1998 cc                                                              |  | Ø 83.50                        | 2 - 1.0         | Ø 21.000                                                                                      |  |  |  | TEIKIN NO. |
| MAZDA3 2014-2015<br>VIN 7<br>DOHC 16V L4<br>CX-5 2013-16                           |  | 4 cyl.<br>CD 25.70<br>TL 54.60 | +8.4<br>1 - 2.0 | TL 45.00<br> |  |  |  |            |
|  |  | TEIKIN NO.                     | TEIKIN NO.      | TEIKIN NO.                                                                                    |  |  |  |            |
|                                                                                    |  | 42225                          | R 42225         | P 42220                                                                                       |  |  |  |            |
|                                                                                    |  |                                |                 |                                                                                               |  |  |  |            |
|                                                                                    |  |                                |                 |                                                                                               |  |  |  |            |
| REFERENCE NO.                                                                      |  | REFERENCE NO.                  |                 |                                                                                               |  |  |  |            |
| PEY3-11-SA0A                                                                       |  |                                |                 |                                                                                               |  |  |  |            |
| Surface Treatment                                                                  |  | Bore Clearance                 |                 |                                                                                               |  |  |  |            |
| Moly Skirt<br>Anodized Crown<br>1st Ring Anodized                                  |  | MRC: 0.030 mm<br>MP: 7.60 mm   |                 |                                                                                               |  |  |  |            |

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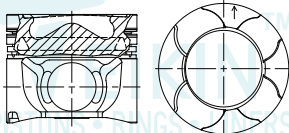
| MITSUBISHI                                                                          |                              |                      |                               | GASOLINE APPLICATION |  |  |  |            |
|-------------------------------------------------------------------------------------|------------------------------|----------------------|-------------------------------|----------------------|--|--|--|------------|
| 4A91 MIVEC                                                                          |                              | Ø 75.00<br>+3.6      | 1 - 1.0<br>1 - 1.2<br>1 - 2.0 | Ø 18.000<br>TL 50.00 |  |  |  | TEIKIN NO. |
| 4 cyl.                                                                              |                              | CD 25.90<br>TL 49.60 |                               |                      |  |  |  |            |
|  |                              |                      |                               |                      |  |  |  |            |
| TEIKIN NO.                                                                          |                              |                      |                               | TEIKIN NO.           |  |  |  |            |
| 43303                                                                               |                              |                      |                               | P 45136              |  |  |  |            |
| REFERENCE NO.                                                                       |                              |                      |                               |                      |  |  |  |            |
| 1110D300                                                                            |                              |                      |                               |                      |  |  |  |            |
| Surface Treatment                                                                   | Bore Clearance               |                      |                               |                      |  |  |  |            |
| Moly Skirt<br>Anodized Crown<br>1st Ring Anodized                                   | MRC: 0.030 mm<br>MP: 8.00 mm |                      |                               |                      |  |  |  |            |

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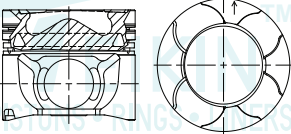
| MITSUBISHI                                                                          |                               |               |            | GASOLINE APPLICATION |  |  |            |  |
|-------------------------------------------------------------------------------------|-------------------------------|---------------|------------|----------------------|--|--|------------|--|
| 4G18-II                                                                             | Ø 76.00                       | 1 - 1.2       | Ø 18.000   |                      |  |  | TEIKIN NO. |  |
| 4 cyl.                                                                              | -3.7                          | 1 - 1.5       | TL 58.00   |                      |  |  |            |  |
| CD 26.50                                                                            |                               |               |            |                      |  |  |            |  |
| TL 52.50                                                                            |                               | 1 - 2.8       |            |                      |  |  |            |  |
|  | TEIKIN NO.                    |               | TEIKIN NO. |                      |  |  |            |  |
|                                                                                     | 43302                         |               | P 44687    |                      |  |  |            |  |
|                                                                                     |                               |               |            |                      |  |  |            |  |
|                                                                                     |                               |               |            |                      |  |  |            |  |
| Surface Treatment                                                                   | Bore Clearance                | REFERENCE NO. |            |                      |  |  |            |  |
| None                                                                                | MRC: 0.030 mm<br>MP: 15.00 mm | MD345934      |            |                      |  |  |            |  |
| 64                                                                                  |                               |               |            |                      |  |  |            |  |

# ADDENDUM TO TEIKIN CATALOG VOL. 19 DATED JUNE 30, 2021

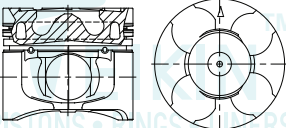
|                                                                                                  |                                                                                                 |                                                                                            |         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

| MITSUBISHI                                                                        |  |                |               |               | DIESEL APPLICATION                                                                |                        |               |       |              |
|-----------------------------------------------------------------------------------|--|----------------|---------------|---------------|-----------------------------------------------------------------------------------|------------------------|---------------|-------|--------------|
| 4N15                                                                              |  | 2442 cc        | Ø 86.00       | 1 - 2.0 HK    | Ø 32.000                                                                          |                        | TL 163.0      | 163.0 | TEIKIN NO.   |
| L200<br>MONTERO SPORT<br>PAJERO SPORT<br>2015                                     |  | 4 cyl.         | -16.5         | 1 - 1.5       | TL 70.00                                                                          |                        | 89.0          | 89.0  | LKSF 43301AG |
|                                                                                   |  |                | CD 47.80      |               |  |                        | 2.9           |       | LKXS 43301AG |
|                                                                                   |  |                | TL 71.50      | 1 - 2.0       |                                                                                   |                        | 94.0          |       |              |
|  |  | TEIKIN NO.     | TEIKIN NO.    | TEIKIN NO.    |                                                                                   | TEIKIN NO.             |               |       |              |
|                                                                                   |  | 43301AG        | R 43301       | P 42185       |                                                                                   | LSF 43301<br>LSX 43301 |               |       |              |
|                                                                                   |  |                |               |               |                                                                                   | Surface Treatment      |               |       |              |
|                                                                                   |  |                |               |               |                                                                                   | None                   |               |       |              |
| Surface Treatment                                                                 |  | Bore Clearance | REFERENCE NO. | REFERENCE NO. |                                                                                   |                        | REFERENCE NO. |       |              |
| Moly Skirt                                                                        |  | MRC: 0.030 mm  | 1110D114      | 1110C712      |                                                                                   |                        |               |       |              |
| Anodized Crown                                                                    |  | MP: 5.50 mm    | 1110D115      |               |                                                                                   |                        |               |       |              |
|                                                                                   |  |                | 1110D116      |               |                                                                                   |                        |               |       |              |

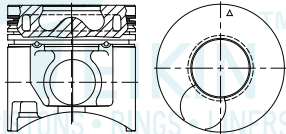
65

| MITSUBISHI                                                                         |                |                      |            | DIESEL APPLICATION                                                                |  |  |  |            |
|------------------------------------------------------------------------------------|----------------|----------------------|------------|-----------------------------------------------------------------------------------|--|--|--|------------|
| 4N15-II                                                                            |                | Ø 86.00<br>-16.5     | 2 - 2.0 HK | Ø 32.000<br>TL 70.00                                                              |  |  |  | TEIKIN NO. |
| L200, TRITON<br>STRADA, PAJERO SPORT<br>MONTERO SPORT<br>2015- 2019                |                | CD 47.80<br>TL 71.50 | 1 - 2.0    |  |  |  |  |            |
|  |                | TEIKIN NO.           |            | TEIKIN NO.                                                                        |  |  |  |            |
|                                                                                    |                | 43304AG              |            | P 42185                                                                           |  |  |  |            |
|                                                                                    |                |                      |            |                                                                                   |  |  |  |            |
| Surface Treatment                                                                  | Bore Clearance | REFERENCE NO.        |            |                                                                                   |  |  |  |            |
| Moly Skirt                                                                         | MRC: 0.030 mm  | 1110D472             |            |                                                                                   |  |  |  |            |
| Anodized Crown                                                                     | MP: 5.50 mm    | 1110D473             |            |                                                                                   |  |  |  |            |
|                                                                                    |                | 1110D474             |            |                                                                                   |  |  |  |            |

66

| MITSUBISHI                                                                                               |  |                |            |               | DIESEL APPLICATION                                                                  |               |          |                   |              |
|----------------------------------------------------------------------------------------------------------|--|----------------|------------|---------------|-------------------------------------------------------------------------------------|---------------|----------|-------------------|--------------|
| 4D56T CRDi-II                                                                                            |  | 2476 cc        | Ø 91.10    | 1 - 2.5 HK    | Ø 32.000                                                                            |               | TL 165.0 | 165.0             | TEIKIN NO.   |
| NATIVA                                                                                                   |  | 4 cyl.         | -19.0      | 1 - 2.0 HK    | TL 75.00                                                                            |               | 94.2     | 94.2              | LKFX 43300AG |
| L200                                                                                                     |  |                | CD 48.20   |               |  |               | 4.0      |                   | LKSF 43300AG |
| PAJERO SPORT                                                                                             |  |                |            | 1 - 3.0       |                                                                                     |               | 98.1     |                   | LKXS 43300AG |
| 2010                                                                                                     |  |                |            |               |                                                                                     |               |          |                   |              |
| <br>*Right Side Shown |  | TEIKIN NO.     | TEIKIN NO. | TEIKIN NO.    | TEIKIN NO.                                                                          | TEIKIN NO.    |          |                   |              |
|                                                                                                          |  | 43300AG        | R 43300    | P 43678       | B 43672                                                                             | LFX 43171     |          |                   |              |
|                                                                                                          |  |                |            |               |                                                                                     | LSF 43171     |          |                   |              |
|                                                                                                          |  |                |            |               |                                                                                     | LSX 43171     |          |                   |              |
| Surface Treatment                                                                                        |  | REFERENCE NO.  |            | REFERENCE NO. |                                                                                     | REFERENCE NO. |          | Surface Treatment |              |
|                                                                                                          |  |                |            |               |                                                                                     |               |          | None              |              |
| Tin Coated                                                                                               |  | 1110C313 (R/L) |            | 1110B977      |                                                                                     | REFERENCE NO. |          |                   |              |
| Bore Clearance                                                                                           |  | 1110C314       |            | 1110B978      |                                                                                     | MD050430      |          |                   |              |
|                                                                                                          |  | 1110C315       |            | 1110B979      |                                                                                     | MD103648      |          |                   |              |
|                                                                                                          |  | 1110C316       |            |               |                                                                                     | MD168963      |          |                   |              |
|                                                                                                          |  | 1110C317       |            |               |                                                                                     |               |          |                   |              |

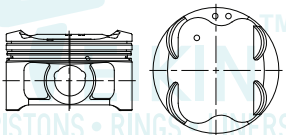
67

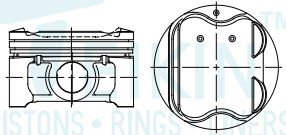
| MITSUBISHI                                                                          |                                                        |                                                          |                                                                      | DIESEL APPLICATION                                                                                                 |                                              |                                                  |                                          |  |
|-------------------------------------------------------------------------------------|--------------------------------------------------------|----------------------------------------------------------|----------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------|----------------------------------------------|--------------------------------------------------|------------------------------------------|--|
| <b>6M60</b><br>Fuso Fighter FN 62 F<br>( 2017 - present )                           | <b>7545 cc</b><br><b>6 cyl.</b>                        | <b>Ø 118.00</b><br>-23.4<br>CD 71.00<br>TL 116.00        | 1 - 2.8 FK<br>1 - 2.5<br>1 - 4.0                                     | <b>Ø 42.000</b><br>TL 93.00<br> |                                              | TL 210.5<br>OD 122.0<br>FT 8.0 + 1.5<br>FD 127.9 | <b>TEIKIN NO.</b><br><b>LKFF 43305AG</b> |  |
|  |                                                        | <b>TEIKIN NO.</b><br><b>43305AG</b>                      | <b>TEIKIN NO.</b><br><b>R 43223</b>                                  | <b>TEIKIN NO.</b><br><b>P 43305</b>                                                                                | <b>TEIKIN NO.</b><br><b>B 43305</b>          | <b>TEIKIN NO.</b><br><b>LFF 43305</b>            |                                          |  |
|                                                                                     |                                                        | <b>Surface Treatment</b><br>None                         |                                                                      |                                                                                                                    |                                              |                                                  |                                          |  |
|                                                                                     |                                                        | <b>REFERENCE NO.</b><br>ME133275<br>ME133276<br>ME133274 | <b>REFERENCE NO.</b><br>ME996591<br>ME997467<br>ME997999<br>ME999549 | <b>REFERENCE NO.</b><br>ME130950                                                                                   | <b>REFERENCE NO.</b><br>ME071940<br>ME302325 |                                                  |                                          |  |
| <b>Surface Treatment</b><br>Tin Coated<br>Anodized Crown                            | <b>Bore Clearance</b><br>MRC: 0.080 mm<br>MP: 20.00 mm |                                                          |                                                                      |                                                                                                                    |                                              |                                                  |                                          |  |

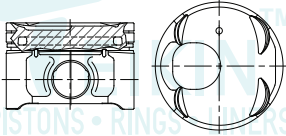
68

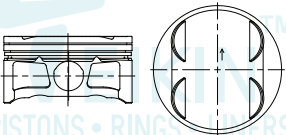
# ADDENDUM TO TEIKIN CATALOG VOL. 19 DATED JUNE 30, 2021

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

| NISSAN                                                                            |  |  |  | GASOLINE APPLICATION |            |          |            |
|-----------------------------------------------------------------------------------|--|--|--|----------------------|------------|----------|------------|
| <b>HR16DE-II</b> 4 cyl.                                                           |  |  |  | Ø 78.00              | 1 - 1.2    | Ø 19.000 | TEIKIN NO. |
|                                                                                   |  |  |  | CD 29.10 +2.1        | 1 - 1.0    | TL 56.00 |            |
|                                                                                   |  |  |  | TL 49.70             | 1 - 2.0    |          |            |
|  |  |  |  | TEIKIN NO.           | TEIKIN NO. |          |            |
|                                                                                   |  |  |  | 44361                | P 38145    |          |            |
| Surface Treatment Bore Clearance                                                  |  |  |  | REFERENCE NO.        |            |          |            |
| Moly Skirt MRC: 0.030 mm                                                          |  |  |  | 12010-5RB0A          |            |          |            |
| Anodized Crown MP: 6.50 mm                                                        |  |  |  |                      |            |          |            |
| 1st Ring Anodized                                                                 |  |  |  |                      |            |          | 69         |

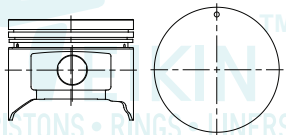
| NISSAN                                                                             |  |  |  | GASOLINE APPLICATION |               |            |            |
|------------------------------------------------------------------------------------|--|--|--|----------------------|---------------|------------|------------|
| <b>HR16DE-III</b> 1598 cc 4 cyl.                                                   |  |  |  | Ø 78.00              | 2 - 1.2       | Ø 19.000   | TEIKIN NO. |
|                                                                                    |  |  |  | CD 28.80 +2.3        |               | TL 53.50   |            |
|                                                                                    |  |  |  | TL 49.60             | 1 - 2.0       |            |            |
|  |  |  |  | TEIKIN NO.           | TEIKIN NO.    | TEIKIN NO. | TEIKIN NO. |
|                                                                                    |  |  |  | 44365                | R 44339       | P 44339    | LSX 44365  |
| Surface Treatment Bore Clearance                                                   |  |  |  | REFERENCE NO.        | REFERENCE NO. |            |            |
| Moly Skirt MRC: 0.030 mm                                                           |  |  |  | 12010-BB01A          | 12033-ED000   |            |            |
| Anodized Crown MP: 5.50 mm                                                         |  |  |  | 12010-BB00A          | 12033-EE000   |            |            |
| 1st Ring Anodized                                                                  |  |  |  |                      |               |            | 70         |

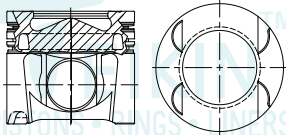
| NISSAN                                                                              |  |  |  | GASOLINE APPLICATION |               |            |            |
|-------------------------------------------------------------------------------------|--|--|--|----------------------|---------------|------------|------------|
| <b>MR16DDT</b> 1618 cc 4 cyl.                                                       |  |  |  | Ø 79.70              | 1 - 1.2       | Ø 21.990   | TEIKIN NO. |
|                                                                                     |  |  |  | CD 35.30 -4.5        | 1 - 1.0       | TL 54.50   |            |
|                                                                                     |  |  |  | TL 53.80             | 1 - 2.0       |            |            |
|  |  |  |  | TEIKIN NO.           | TEIKIN NO.    | TEIKIN NO. |            |
|                                                                                     |  |  |  | 44362G               | R 44362       | P 44362    |            |
| Surface Treatment Bore Clearance                                                    |  |  |  | REFERENCE NO.        | REFERENCE NO. |            |            |
| Moly Skirt MRC: 0.030 mm                                                            |  |  |  | A2010-1KC0A          | 12033-1KC0A   |            |            |
| Anodized Crown MP: 6.00 mm                                                          |  |  |  | A2010-1KC1A          | 12033-3RC0B   |            |            |
| 1st Ring Anodized                                                                   |  |  |  |                      |               |            | 71         |

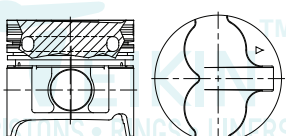
| NISSAN                                                                              |  |  |  | GASOLINE APPLICATION |            |          |            |
|-------------------------------------------------------------------------------------|--|--|--|----------------------|------------|----------|------------|
| <b>VQ35DE-III</b> 6 cyl.                                                            |  |  |  | Ø 95.50              | 2 - 1.2    | Ø 22.000 | TEIKIN NO. |
|                                                                                     |  |  |  | CD 29.50 -0.2        |            | TL 55.00 |            |
|                                                                                     |  |  |  | TL 49.70             | 1 - 2.0    |          |            |
|  |  |  |  | TEIKIN NO.           | TEIKIN NO. |          |            |
|                                                                                     |  |  |  | 44360                | P 48102    |          |            |
| Surface Treatment Bore Clearance                                                    |  |  |  | REFERENCE NO.        |            |          |            |
| Chromated Moly Skirt MRC: 0.030 mm                                                  |  |  |  |                      |            |          |            |
|                                                                                     |  |  |  |                      |            |          |            |
|                                                                                     |  |  |  |                      |            |          | 72         |

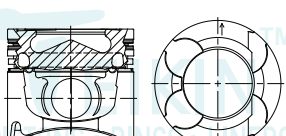
# ADDENDUM TO TEIKIN CATALOG VOL. 19 DATED JUNE 30, 2021

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

| NISSAN                                                                            |  |                                             |                               |                                                                                   | GASOLINE APPLICATION |  |  |  |            |
|-----------------------------------------------------------------------------------|--|---------------------------------------------|-------------------------------|-----------------------------------------------------------------------------------|----------------------|--|--|--|------------|
| <b>TB45DE/TB48DE</b>                                                              |  | <b>Ø 99.50</b>                              | 1 - 2.0<br>1 - 1.5<br>1 - 4.0 | <b>Ø 22.990</b><br>TL 65.00                                                       |                      |  |  |  | TEIKIN NO. |
| 4 cyl.<br>CD 40.30<br>TL 80.00                                                    |  |                                             |                               |  |                      |  |  |  |            |
|  |  | TEIKIN NO.<br><b>44347-4</b>                | TEIKIN NO.<br><b>R 44347</b>  | TEIKIN NO.<br><b>P 44347</b>                                                      |                      |  |  |  |            |
| Surface Treatment: Anodized Crown<br>1st Ring Anodized                            |  | REFERENCE NO.<br>A2010-VB08B<br>A2010-VC28B | REFERENCE NO.                 |                                                                                   |                      |  |  |  |            |
| Bore Clearance: MRC: 0.030 mm<br>MP: 20.00 mm                                     |  |                                             |                               |                                                                                   |                      |  |  |  | 73         |

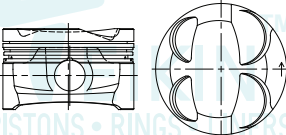
| NISSAN                                                                                       |  |                                                                                                                  |                              |                                                                                   | DIESEL APPLICATION          |  |                                                    |               |                              |
|----------------------------------------------------------------------------------------------|--|------------------------------------------------------------------------------------------------------------------|------------------------------|-----------------------------------------------------------------------------------|-----------------------------|--|----------------------------------------------------|---------------|------------------------------|
| <b>R9M</b>                                                                                   |  | <b>1598 cc</b>                                                                                                   | <b>Ø 80.00</b>               | 1 - 2.0 HK<br>1 - 1.75<br>1 - 2.0                                                 | <b>Ø 30.000</b><br>TL 60.00 |  | TL 146.0<br>OD 84.0<br>FT 4.8<br>FD 86.0           | 146.0<br>84.0 | TEIKIN NO.                   |
| QASHQAI +2 (JJ10E)<br>QASHQAI (J10E, J11E, J11R)<br>X-TRAIL (T32, T32R, T32RR)<br>2011- 2018 |  | 4 cyl.<br>CD 46.00<br>TL 70.50                                                                                   |                              |  |                             |  |                                                    |               | LKFX 44363AG<br>LKSF 44363AG |
|            |  | TEIKIN NO.<br><b>44363AG</b>                                                                                     | TEIKIN NO.<br><b>R 44363</b> | TEIKIN NO.<br><b>P 44363</b>                                                      |                             |  | TEIKIN NO.<br><b>LFX 44363</b><br><b>LSF 44363</b> |               |                              |
| Surface Treatment: Moly Skirt                                                                |  | REFERENCE NO.<br>12000-00Q20<br>12000-00Q2N/2P/2R<br>12000-00Q2S/2T/2Y/2Z<br>12000-00QIN/IP/IR<br>12000-00QIS/IT | REFERENCE NO.<br>A2033-00Q0D |                                                                                   |                             |  | Surface Treatment<br>None                          | REFERENCE NO. |                              |
| Bore Clearance: MRC: 0.040 mm<br>MP: 7.00 mm                                                 |  |                                                                                                                  |                              |                                                                                   |                             |  |                                                    |               | 74                           |

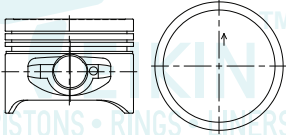
| NISSAN                                                                              |  |                                                                                          |                                                            |                                                                                     | DIESEL APPLICATION           |  |                                                                        |                              |                                              |
|-------------------------------------------------------------------------------------|--|------------------------------------------------------------------------------------------|------------------------------------------------------------|-------------------------------------------------------------------------------------|------------------------------|--|------------------------------------------------------------------------|------------------------------|----------------------------------------------|
| <b>RD28TI NEW</b>                                                                   |  | <b>2825 cc</b>                                                                           | <b>Ø 85.00</b>                                             | 1 - 2.0 HK<br>1 - 2.0<br>1 - 4.0                                                    | <b>Ø 27.000</b><br>TL 61.50  |  | TL 150.0<br>OD 89.0<br>FT 2.0<br>FD 93.0                               | 150.0<br>89.0                | TEIKIN NO.                                   |
| 6 cyl.<br>CD 46.80<br>TL 78.30                                                      |  |                                                                                          |                                                            |  |                              |  |                                                                        |                              | LKFX 44696AG<br>LKSF 44696AG<br>LKXS 44696AG |
|  |  | TEIKIN NO.<br><b>44696AG</b>                                                             | TEIKIN NO.<br><b>R 44696</b>                               | TEIKIN NO.<br><b>P 44696</b>                                                        | TEIKIN NO.<br><b>B 44623</b> |  | TEIKIN NO.<br><b>LFX 44606</b><br><b>LSF 44606</b><br><b>LSX 44606</b> |                              |                                              |
| Surface Treatment: Tin Coated<br>Anodized Crown                                     |  | REFERENCE NO.<br>A2010-VB300<br>A2010-VB301<br>A2010-VB302<br>A2010-VB372<br>A2010-VB373 | REFERENCE NO.<br>12033-81T10<br>12036-81T10<br>12038-81T10 |                                                                                     | REFERENCE NO.<br>12030-22J01 |  | Surface Treatment<br>None                                              | REFERENCE NO.<br>11012-V2070 |                                              |
| Bore Clearance: MRC: 0.050 mm<br>MP: 14.50 mm                                       |  |                                                                                          |                                                            |                                                                                     |                              |  |                                                                        |                              | 75                                           |

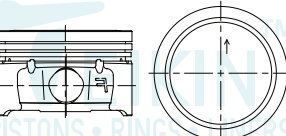
| NISSAN                                                                                                             |  |                                                            |                                                                                                |                                                                                     | DIESEL APPLICATION           |  |                                                    |               |                              |
|--------------------------------------------------------------------------------------------------------------------|--|------------------------------------------------------------|------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|------------------------------|--|----------------------------------------------------|---------------|------------------------------|
| <b>YD25DDTi-II</b>                                                                                                 |  | <b>2488 cc</b>                                             | <b>Ø 89.00</b>                                                                                 | 1 - 2.0 HK<br>1 - 2.0<br>1 - 3.0                                                    | <b>Ø 28.000</b><br>TL 69.00  |  | TL 167.0<br>OD 94.0<br>FT 4.0<br>FD 92.5           | 167.0<br>92.5 | TEIKIN NO.                   |
| 4 cyl.<br>CD 48.80<br>TL 76.80                                                                                     |  |                                                            |                                                                                                |  |                              |  |                                                    |               | LKSF 44364AG<br>LKXS 44364AG |
| CABSTAR (F24M)<br>NAVARA (D40M, D40T)<br>FRONTIER (D4DBB), MURANO (251)<br>NAVARA NP300 (D23T, D23M)<br>2010- 2018 |  | TEIKIN NO.<br><b>44364AG</b>                               | TEIKIN NO.<br><b>R 44671</b>                                                                   | TEIKIN NO.<br><b>P 44697</b>                                                        | TEIKIN NO.<br><b>B 44671</b> |  | TEIKIN NO.<br><b>LSF 44671</b><br><b>LSX 44671</b> |               |                              |
|                                 |  | REFERENCE NO.<br>A2010-5X00A<br>A2010-5X01A<br>A2010-5X02A | REFERENCE NO.<br>12033-VK500/10/20<br>12035-VK500/10/20<br>12036-VK500/10/20<br>A2033-VK510/20 |                                                                                     | REFERENCE NO.<br>12030-AD200 |  | Surface Treatment<br>None                          | REFERENCE NO. |                              |
| Surface Treatment: Moly Skirt                                                                                      |  |                                                            |                                                                                                |                                                                                     |                              |  |                                                    |               | 76                           |
| Bore Clearance: MRC: 0.030 mm<br>MP: 9.50 mm                                                                       |  |                                                            |                                                                                                |                                                                                     |                              |  |                                                    |               |                              |

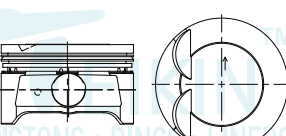
# ADDENDUM TO TEIKIN CATALOG VOL. 19 DATED JUNE 30, 2021

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

| PEUGEOT                                                                           |                              |                      |                      | GASOLINE APPLICATION                                                              |  |  |  | TEIKIN NO. |
|-----------------------------------------------------------------------------------|------------------------------|----------------------|----------------------|-----------------------------------------------------------------------------------|--|--|--|------------|
| <b>EP6C</b>                                                                       | <b>1598 cc</b>               | <b>Ø 77.00</b>       | 1 - 1.2              | <b>Ø 18.000</b>                                                                   |  |  |  |            |
| MINI Club Man, One, Cooper<br>Peugeot 207, 208, 308, 3008<br>DOHC 16V             | <b>4 cyl.</b>                | -2.0                 | 1 - 1.5              | TL 43.00                                                                          |  |  |  |            |
|                                                                                   | CD 27.50<br>TL 47.50         |                      | 1 - 2.0              |  |  |  |  |            |
|  |                              |                      |                      |                                                                                   |  |  |  |            |
| <b>Surface Treatment</b>                                                          | <b>Bore Clearance</b>        | <b>TEIKIN NO.</b>    | <b>TEIKIN NO.</b>    | <b>TEIKIN NO.</b>                                                                 |  |  |  |            |
| Moly Skirt                                                                        | MRC: 0.030 mm<br>MP: 5.00 mm | <b>67108</b>         | <b>R 67108</b>       | <b>P 42224</b>                                                                    |  |  |  |            |
|                                                                                   |                              | <b>REFERENCE NO.</b> | <b>REFERENCE NO.</b> |                                                                                   |  |  |  |            |
|                                                                                   |                              | 0628.T1              | KS : 800115910000    |                                                                                   |  |  |  |            |
|                                                                                   |                              |                      |                      |                                                                                   |  |  |  | <b>77</b>  |

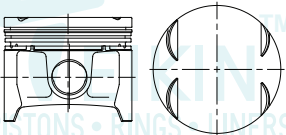
| PEUGEOT                                                                                                    |                              |                      |                   | GASOLINE APPLICATION |  |  |  | TEIKIN NO. |
|------------------------------------------------------------------------------------------------------------|------------------------------|----------------------|-------------------|----------------------|--|--|--|------------|
| <b>1.6L</b>                                                                                                | <b>4 cyl.</b>                | <b>Ø 78.50</b>       | 2 - 1.5           | <b>Ø 19.490</b>      |  |  |  |            |
| Partner 04-11<br>Grand Raid 07-11<br>207 Compact 09-11<br>TU5JP4 (N6A) 2004-2011 206 01-11<br>DOHC 16 Val. |                              | -0.3                 |                   | TL 62.00             |  |  |  |            |
|                                                                                                            | CD 32.20<br>TL 57.50         |                      | 1 - 3.0           |                      |  |  |  |            |
|                          |                              |                      |                   |                      |  |  |  |            |
| <b>Surface Treatment</b>                                                                                   | <b>Bore Clearance</b>        | <b>TEIKIN NO.</b>    | <b>TEIKIN NO.</b> | <b>TEIKIN NO.</b>    |  |  |  |            |
| None                                                                                                       | MRC: 0.030 mm<br>MP: 9.50 mm | <b>67104</b>         |                   | <b>P 67104</b>       |  |  |  |            |
|                                                                                                            |                              | <b>REFERENCE NO.</b> |                   |                      |  |  |  |            |
|                                                                                                            |                              | 06.28.J0             |                   |                      |  |  |  |            |
|                                                                                                            |                              |                      |                   |                      |  |  |  | <b>78</b>  |

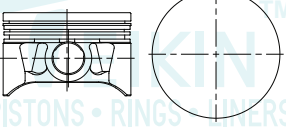
| PEUGEOT                                                                             |                              |                      |                   | GASOLINE APPLICATION |  |  |  | TEIKIN NO. |
|-------------------------------------------------------------------------------------|------------------------------|----------------------|-------------------|----------------------|--|--|--|------------|
| <b>TU5JP4</b>                                                                       | <b>1587 cc</b>               | <b>Ø 78.50</b>       | 1 - 1.2           | <b>Ø 19.490</b>      |  |  |  |            |
| 206 01-11<br>Grand Raid 07-11<br>207 Compact 09-11<br>Partner 04-11<br>DOHC 16V     | <b>4 cyl.</b>                | +0.2                 | 1 - 1.5           | TL 56.80             |  |  |  |            |
|                                                                                     | CD 32.30<br>TL 50.20         |                      | 1 - 2.5           |                      |  |  |  |            |
|  |                              |                      |                   |                      |  |  |  |            |
| <b>Surface Treatment</b>                                                            | <b>Bore Clearance</b>        | <b>TEIKIN NO.</b>    | <b>TEIKIN NO.</b> | <b>TEIKIN NO.</b>    |  |  |  |            |
| Tin Coated                                                                          | MRC: 0.030 mm<br>MP: 5.50 mm | <b>67106</b>         |                   | <b>P 67106</b>       |  |  |  |            |
|                                                                                     |                              | <b>REFERENCE NO.</b> |                   |                      |  |  |  |            |
|                                                                                     |                              | 0628.N2              |                   |                      |  |  |  |            |
|                                                                                     |                              |                      |                   |                      |  |  |  | <b>79</b>  |

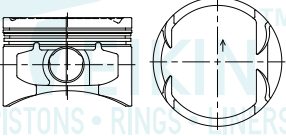
| PEUGEOT                                                                             |                              |                      |                                      | GASOLINE APPLICATION |  |  |  | TEIKIN NO. |
|-------------------------------------------------------------------------------------|------------------------------|----------------------|--------------------------------------|----------------------|--|--|--|------------|
| <b>EW10A</b>                                                                        | <b>1998 cc</b>               | <b>Ø 85.00</b>       | 1 - 1.2                              | <b>Ø 21.000</b>      |  |  |  |            |
| 307 CC 06-10<br>307 SEDAN 07-10<br>307 Xsi, X LINE-FELINE 06-10<br>DOHC 16V         | <b>4 cyl.</b>                | +0.2                 | 1 - 1.5                              | TL 56.00             |  |  |  |            |
|                                                                                     | CD 29.00<br>TL 51.20         |                      | 1 - 2.5                              |                      |  |  |  |            |
|  |                              |                      |                                      |                      |  |  |  |            |
| <b>Surface Treatment</b>                                                            | <b>Bore Clearance</b>        | <b>TEIKIN NO.</b>    | <b>TEIKIN NO.</b>                    | <b>TEIKIN NO.</b>    |  |  |  |            |
| Moly Skirt                                                                          | MRC: 0.030 mm<br>MP: 9.50 mm | <b>67107</b>         | <b>R 67107</b>                       | <b>P 38151</b>       |  |  |  |            |
|                                                                                     |                              | <b>REFERENCE NO.</b> | <b>REFERENCE NO.</b>                 |                      |  |  |  |            |
|                                                                                     |                              | 0628.R7<br>0628.T8   | KS : 800059240000<br>MAHLE : 04016N0 |                      |  |  |  |            |
|                                                                                     |                              |                      |                                      |                      |  |  |  | <b>80</b>  |

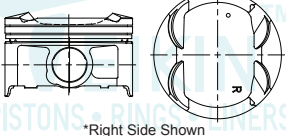
# ADDENDUM TO TEIKIN CATALOG VOL. 19 DATED JUNE 30, 2021

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

| RENAULT                                                                                                                                                                                   |                                                                  |                                                                                       |                       | GASOLINE APPLICATION |  |  |  | TEIKIN NO. |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----------------------|----------------------|--|--|--|------------|
| <b>K4J</b><br>4 cyl.<br><br>Surface Treatment: Tin Coated<br>Bore Clearance: MRC: 0.030 mm, MP: 10.50 mm | Ø 79.50<br>-2.2<br>CD 37.20<br>TL 64.60                          | 2 - 1.5<br>1 - 2.5                                                                    | Ø 19.990<br>TL 61.50  |                      |  |  |  |            |
|                                                                                                                                                                                           | TEIKIN NO.<br>70108                                              | TEIKIN NO.<br>R 70600                                                                 | TEIKIN NO.<br>P 42662 |                      |  |  |  |            |
|                                                                                                                                                                                           | REFERENCE NO.<br>77 01 474 903<br>77 01 474 904<br>77 01 474 905 | REFERENCE NO.<br>77 01 473 223<br>77 01 473 857<br>KS: 800053040000<br>MAHLE: 02202N0 |                       |                      |  |  |  |            |
|                                                                                                                                                                                           |                                                                  |                                                                                       |                       |                      |  |  |  | 81         |

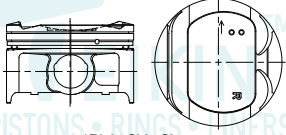
| RENAULT                                                                                                                                                                                                    |                                 |                    |                       | GASOLINE APPLICATION |  |  |  | TEIKIN NO. |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|--------------------|-----------------------|----------------------|--|--|--|------------|
| <b>K7M-III</b><br>4 cyl.<br><br>Surface Treatment: Tin Coated, Moly Skirt<br>Bore Clearance: MRC: 0.030 mm, MP: 11.00 mm | Ø 79.50<br>CD 28.30<br>TL 51.60 | 2 - 1.5<br>1 - 2.5 | Ø 18.990<br>TL 62.00  |                      |  |  |  |            |
|                                                                                                                                                                                                            | TEIKIN NO.<br>70109             |                    | TEIKIN NO.<br>P 44653 |                      |  |  |  |            |
|                                                                                                                                                                                                            | REFERENCE NO.<br>120A14466R     |                    |                       |                      |  |  |  |            |
|                                                                                                                                                                                                            |                                 |                    |                       |                      |  |  |  | 82         |

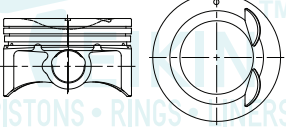
| RENAULT                                                                                                                                                                                                                                                                                |                                         |                               |                                                                                                             | GASOLINE APPLICATION |  |  |  | TEIKIN NO. |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------|-------------------------------|-------------------------------------------------------------------------------------------------------------|----------------------|--|--|--|------------|
| <b>2.0L-III</b><br>SOLO CLIO SPORT<br>F4R 730 Clio Sport 2002-2004<br>Laguna 07-09<br>L4 DOHC 16 Valv<br>4 cyl.<br><br>Surface Treatment: Tin Coated<br>Bore Clearance: MRC: 0.030 mm, MP: 10.50 mm | Ø 82.70<br>-0.6<br>CD 30.20<br>TL 56.80 | 1 - 1.2<br>1 - 1.5<br>1 - 2.0 | Ø 21.000<br>TL 61.50<br> |                      |  |  |  |            |
|                                                                                                                                                                                                                                                                                        | TEIKIN NO.<br>70106                     |                               | TEIKIN NO.<br>P 56104                                                                                       |                      |  |  |  |            |
|                                                                                                                                                                                                                                                                                        | REFERENCE NO.<br>77 00 112 313          |                               |                                                                                                             |                      |  |  |  |            |
|                                                                                                                                                                                                                                                                                        |                                         |                               |                                                                                                             |                      |  |  |  | 83         |

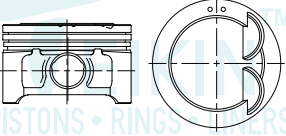
| SUBARU                                                                                                                                                                                                                                 |                                                   |                    |                                                                                                             | GASOLINE APPLICATION |  |  |  | TEIKIN NO. |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------|--------------------|-------------------------------------------------------------------------------------------------------------|----------------------|--|--|--|------------|
| <b>FB20</b><br>1995 cc<br>IMPREZA<br>4 cyl.<br><br>Surface Treatment: Moly Skirt<br>Bore Clearance: MRC: 0.030 mm, MP: 8.50 mm<br>*Right Side Shown | Ø 84.00<br>+3.6<br>CD 30.90<br>TL 55.30           | 2 - 1.0<br>1 - 2.0 | Ø 22.000<br>TL 52.00<br> |                      |  |  |  |            |
|                                                                                                                                                                                                                                        | TEIKIN NO.<br>55110                               |                    | TEIKIN NO.<br>P 55106                                                                                       |                      |  |  |  |            |
|                                                                                                                                                                                                                                        | REFERENCE NO.<br>12013AB490 (R)<br>12018AB490 (L) |                    |                                                                                                             |                      |  |  |  |            |
|                                                                                                                                                                                                                                        |                                                   |                    |                                                                                                             |                      |  |  |  | 84         |

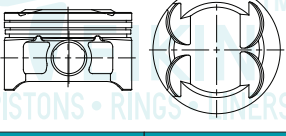
# ADDENDUM TO TEIKIN CATALOG VOL. 19 DATED JUNE 30, 2021

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

| SUBARU                                                                                                                                                                                                                                |                                                   |         |                                                                                   | GASOLINE APPLICATION |  |  |  | TEIKIN NO. |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------|---------|-----------------------------------------------------------------------------------|----------------------|--|--|--|------------|
| <b>FB20-II</b> 1995 cc<br>4 cyl.<br><br><br>*Right Side Shown<br><b>Surface Treatment</b> Bore Clearance<br>Moly Skirt MRC: 0.030 mm<br>MP: 10.00 mm | Ø 84.00<br>+2.1                                   | 2 - 1.0 | Ø 22.000<br>TL 52.00                                                              |                      |  |  |  |            |
|                                                                                                                                                                                                                                       | CD 30.90<br>TL 53.90                              | 1 - 2.0 |  |                      |  |  |  |            |
|                                                                                                                                                                                                                                       | TEIKIN NO.<br>55111                               |         | TEIKIN NO.<br>P 55106                                                             |                      |  |  |  |            |
|                                                                                                                                                                                                                                       | REFERENCE NO.<br>12013AB810 (R)<br>12018AB810 (L) |         |                                                                                   |                      |  |  |  |            |
|                                                                                                                                                                                                                                       |                                                   |         |                                                                                   |                      |  |  |  | 85         |

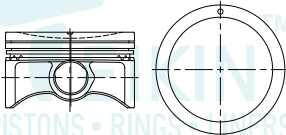
| SUZUKI                                                                                                                                                                                                                                          |                              |                               |                                                                                   | GASOLINE APPLICATION |  |  |  | TEIKIN NO. |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|-------------------------------|-----------------------------------------------------------------------------------|----------------------|--|--|--|------------|
| <b>K12M</b> 1197 cc<br>4 cyl.<br>IGNIS 1.2L ALPHA<br>2016 - NOW<br><br><br><b>Surface Treatment</b> Bore Clearance<br>Moly Skirt MRC: 0.030 mm<br>MP: 6.50 mm | Ø 73.00<br>-6.2              | 1 - 1.0<br>1 - 1.2<br>1 - 2.0 | Ø 18.000<br>TL 46.50                                                              |                      |  |  |  |            |
|                                                                                                                                                                                                                                                 | CD 27.30<br>TL 44.50         |                               |  |                      |  |  |  |            |
|                                                                                                                                                                                                                                                 | TEIKIN NO.<br>45160          |                               | TEIKIN NO.<br>P 45148                                                             |                      |  |  |  |            |
|                                                                                                                                                                                                                                                 | REFERENCE NO.<br>12111M83P00 |                               |                                                                                   |                      |  |  |  |            |
|                                                                                                                                                                                                                                                 |                              |                               |                                                                                   |                      |  |  |  | 86         |

| SUZUKI                                                                                                                                                                                                                                                                           |                              |                               |                                                                                     | GASOLINE APPLICATION |  |  |  | TEIKIN NO. |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|-------------------------------|-------------------------------------------------------------------------------------|----------------------|--|--|--|------------|
| <b>K12B</b> 1242 cc<br>4 cyl.<br>SPLASH<br>SOLIO, SWIFT<br>A5B412<br>(2010-present)<br>DOHC 16V<br><br><br><b>Surface Treatment</b> Bore Clearance<br>Moly Skirt MRC: 0.030 mm<br>MP: 7.00 mm | Ø 73.00<br>+0.7              | 1 - 1.0<br>1 - 1.2<br>1 - 2.0 | Ø 18.000<br>TL 47.50                                                                |                      |  |  |  |            |
|                                                                                                                                                                                                                                                                                  | CD 26.20<br>TL 45.50         |                               |  |                      |  |  |  |            |
|                                                                                                                                                                                                                                                                                  | TEIKIN NO.<br>45162          | TEIKIN NO.<br>R 45162         | TEIKIN NO.<br>P 30110                                                               |                      |  |  |  |            |
|                                                                                                                                                                                                                                                                                  | REFERENCE NO.<br>12100-73840 | REFERENCE NO.<br>12140-51K00  |                                                                                     |                      |  |  |  |            |
|                                                                                                                                                                                                                                                                                  |                              |                               |                                                                                     |                      |  |  |  | 87         |

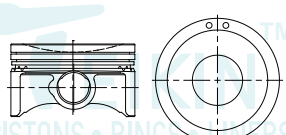
| SUZUKI                                                                                                                                                                                                                                                      |                              |                               |                                                                                     | GASOLINE APPLICATION |  |  |  | TEIKIN NO. |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|-------------------------------|-------------------------------------------------------------------------------------|----------------------|--|--|--|------------|
| <b>K12B-II</b> 4 cyl.<br>SPLASH<br>SWIFT<br>WAGON R PLUS<br>(2010-present)<br><br><br><b>Surface Treatment</b> Bore Clearance<br>Moly Skirt MRC: 0.030 mm<br>MP: 7.00 mm | Ø 73.00<br>+1.6              | 1 - 1.0<br>1 - 1.2<br>1 - 2.0 | Ø 18.000<br>TL 47.50                                                                |                      |  |  |  |            |
|                                                                                                                                                                                                                                                             | CD 26.00<br>TL 46.10         |                               |  |                      |  |  |  |            |
|                                                                                                                                                                                                                                                             | TEIKIN NO.<br>45163          |                               | TEIKIN NO.<br>P 30110                                                               |                      |  |  |  |            |
|                                                                                                                                                                                                                                                             | REFERENCE NO.<br>12100-69841 |                               |                                                                                     |                      |  |  |  |            |
|                                                                                                                                                                                                                                                             |                              |                               |                                                                                     |                      |  |  |  | 88         |

# ADDENDUM TO TEIKIN CATALOG VOL. 19 DATED JUNE 30, 2021

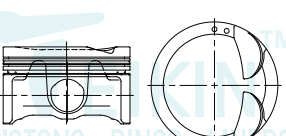
|                                                                                                  |                                                                                                 |                                                                                            |         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

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

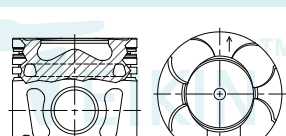
89

| SUZUKI                                                                                                         |                                         |                               |                                                                                                           | GASOLINE APPLICATION |  |  |  | TEIKIN NO. |
|----------------------------------------------------------------------------------------------------------------|-----------------------------------------|-------------------------------|-----------------------------------------------------------------------------------------------------------|----------------------|--|--|--|------------|
| <b>K15B-C</b><br>New Carry Pick-Up 4 cyl.                                                                      | Ø 74.00<br>-4.9<br>CD 26.00<br>TL 43.30 | 1 - 1.0<br>1 - 1.2<br>1 - 2.0 | Ø 18.000<br>TL 47.50<br> |                      |  |  |  |            |
| <br>PISTONS • RINGS • LINERS | TEIKIN NO.<br><b>45158</b>              |                               | TEIKIN NO.<br><b>P 30110</b>                                                                              |                      |  |  |  |            |
| Surface Treatment: Moly Skirt<br>Bore Clearance: MRC: 0.030 mm<br>MP: 6.50 mm                                  | REFERENCE NO.<br>12111-52S00-000        |                               |                                                                                                           |                      |  |  |  |            |

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| SUZUKI                                                                                                          |                                         |                    |                                                                                                             | GASOLINE APPLICATION |  |  |  | TEIKIN NO. |
|-----------------------------------------------------------------------------------------------------------------|-----------------------------------------|--------------------|-------------------------------------------------------------------------------------------------------------|----------------------|--|--|--|------------|
| <b>M16A</b><br>4 cyl.                                                                                           | Ø 78.00<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> |                      |  |  |  |            |
| <br>PISTONS • RINGS • LINERS | TEIKIN NO.<br><b>45157</b>              |                    | TEIKIN NO.<br><b>P 45157</b>                                                                                |                      |  |  |  |            |
| Surface Treatment: Moly Skirt<br>Bore Clearance: MRC: 0.030 mm<br>MP: 6.50 mm                                   | REFERENCE NO.<br>12100-54880            |                    |                                                                                                             |                      |  |  |  |            |

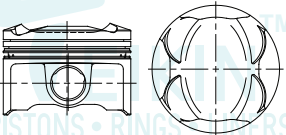
91

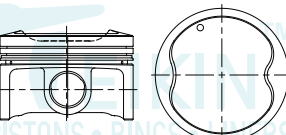
| SUZUKI                                                                                                          |                                          |                    |                                                                                                             | DIESEL APPLICATION |  |  |  | TEIKIN NO. |
|-----------------------------------------------------------------------------------------------------------------|------------------------------------------|--------------------|-------------------------------------------------------------------------------------------------------------|--------------------|--|--|--|------------|
| <b>D13A</b><br>ERTIGA DIESEL 4 cyl.                                                                             | Ø 69.60<br>-12.4<br>CD 40.40<br>TL 62.40 | 2 - 1.5<br>1 - 2.0 | Ø 23.000<br>TL 56.00<br> |                    |  |  |  |            |
| <br>PISTONS • RINGS • LINERS | TEIKIN NO.<br><b>45159AG</b>             |                    | TEIKIN NO.<br><b>P 34129</b>                                                                                |                    |  |  |  |            |
| Surface Treatment: Chromated Moly Skirt<br>Bore Clearance: MRC: 0.030 mm<br>MP: 6.00 mm                         | REFERENCE NO.<br>12110M55KE0-0A0         |                    |                                                                                                             |                    |  |  |  |            |

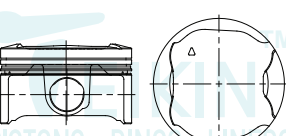
92

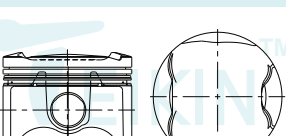
# ADDENDUM TO TEIKIN CATALOG VOL. 19 DATED JUNE 30, 2021

|                                                                                                  |                                                                                                 |                                                                                            |                                                                                          |                                                                                               |                                                                                                      |                                                                                                  |                                                                                                      |
|--------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|
| <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 |  |  |  | TEIKIN NO. |
|-----------------------------------------------------------------------------------|----------------|----------------|---------|----------------------|--|--|--|------------|
| <b>2NR-FE</b>                                                                     |                | <b>Ø 72.50</b> | 2 - 1.0 | Ø 18.000             |  |  |  |            |
| 4 cyl.                                                                            |                | +3.8           |         | TL 53.00             |  |  |  |            |
| CD 30.20<br>TL 52.00                                                              |                |                | 1 - 2.0 |                      |  |  |  |            |
|  |                | TEIKIN NO.     |         | TEIKIN NO.           |  |  |  |            |
|                                                                                   |                | 46394          |         | P 46332              |  |  |  |            |
| REFERENCE NO.                                                                     |                |                |         |                      |  |  |  |            |
| 13101-0Y120                                                                       |                |                |         |                      |  |  |  |            |
| Surface Treatment                                                                 | Bore Clearance |                |         |                      |  |  |  |            |
| Moly Skirt                                                                        | MRC: 0.030 mm  |                |         |                      |  |  |  |            |
| Anodized Crown                                                                    | MP: 6.00 mm    |                |         |                      |  |  |  |            |
| 1st Ring Anodized                                                                 |                |                |         |                      |  |  |  | 93         |

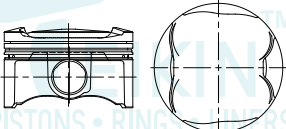
| TOYOTA                                                                             |                |                |            | GASOLINE APPLICATION |  |  |  | TEIKIN NO. |
|------------------------------------------------------------------------------------|----------------|----------------|------------|----------------------|--|--|--|------------|
| <b>2NR-FE-II</b>                                                                   |                | <b>Ø 72.50</b> | 2 - 1.0    | Ø 18.000             |  |  |  |            |
| 1496 cc                                                                            |                | +3.0           |            | TL 53.00             |  |  |  |            |
| ETIOS<br>NGK12, NGK15<br>(10-)<br>DOHC 16V                                         |                |                | 1 - 2.0    |                      |  |  |  |            |
| CD 29.40<br>TL 48.90                                                               |                |                |            |                      |  |  |  |            |
|  |                | TEIKIN NO.     | TEIKIN NO. | TEIKIN NO.           |  |  |  |            |
|                                                                                    |                | 46406          | R 46387    | P 46332              |  |  |  |            |
| REFERENCE NO.                                                                      |                |                |            |                      |  |  |  |            |
| 13101-47041<br>13101-0Y020                                                         |                |                |            |                      |  |  |  |            |
| Surface Treatment                                                                  | Bore Clearance |                |            |                      |  |  |  |            |
| Moly Skirt                                                                         | MRC: 0.030 mm  |                |            |                      |  |  |  |            |
| Anodized Crown                                                                     | MP: 5.50 mm    |                |            |                      |  |  |  |            |
| 1st Ring Anodized                                                                  |                |                |            |                      |  |  |  | 94         |

| TOYOTA                                                                              |                |                |            | GASOLINE APPLICATION                                                                |  |  |  | TEIKIN NO. |
|-------------------------------------------------------------------------------------|----------------|----------------|------------|-------------------------------------------------------------------------------------|--|--|--|------------|
| <b>2ZR-FXE</b>                                                                      |                | <b>Ø 80.50</b> | 2 - 1.0    | Ø 20.012                                                                            |  |  |  |            |
| 1798 cc                                                                             |                | +2.4           |            | TL 50.00                                                                            |  |  |  |            |
| HYBRID, PRIUS HYBRID<br>2010-15<br>DOHC 16V L4                                      |                |                | 1 - 1.5    |  |  |  |  |            |
| CD 28.60<br>TL 48.90                                                                |                |                |            |                                                                                     |  |  |  |            |
|  |                | TEIKIN NO.     | TEIKIN NO. | TEIKIN NO.                                                                          |  |  |  |            |
|                                                                                     |                | 46398          | R 46382    | P 46334                                                                             |  |  |  |            |
| REFERENCE NO.                                                                       |                |                |            |                                                                                     |  |  |  |            |
| 13101-37120                                                                         |                |                |            |                                                                                     |  |  |  |            |
| Surface Treatment                                                                   | Bore Clearance |                |            |                                                                                     |  |  |  |            |
| Moly Skirt                                                                          | MRC: 0.030 mm  |                |            |                                                                                     |  |  |  |            |
| Anodized Crown                                                                      | MP: 6.50 mm    |                |            |                                                                                     |  |  |  |            |
| 1st Ring Anodized                                                                   |                |                |            |                                                                                     |  |  |  | 95         |

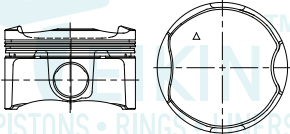
| TOYOTA                                                                              |                |                |         | GASOLINE APPLICATION                                                                |  |  |  | TEIKIN NO. |
|-------------------------------------------------------------------------------------|----------------|----------------|---------|-------------------------------------------------------------------------------------|--|--|--|------------|
| <b>1ZR-FBE</b>                                                                      |                | <b>Ø 80.50</b> | 1 - 1.2 | Ø 20.012                                                                            |  |  |  |            |
| 1600 cc                                                                             |                | +2.5           | 1 - 1.0 | TL 50.00                                                                            |  |  |  |            |
| TOYOTA COROLLA ALTIS<br>2014 - NOW<br>DOHC 16 VALVE                                 |                |                | 1 - 2.0 |  |  |  |  |            |
| CD 33.40<br>TL 55.10                                                                |                |                |         |                                                                                     |  |  |  |            |
|  |                | TEIKIN NO.     |         | TEIKIN NO.                                                                          |  |  |  |            |
|                                                                                     |                | 46402          |         | P 46334                                                                             |  |  |  |            |
| REFERENCE NO.                                                                       |                |                |         |                                                                                     |  |  |  |            |
| 13101-0T240                                                                         |                |                |         |                                                                                     |  |  |  |            |
| Surface Treatment                                                                   | Bore Clearance |                |         |                                                                                     |  |  |  |            |
| Moly Skirt                                                                          | MRC: 0.030 mm  |                |         |                                                                                     |  |  |  |            |
| Anodized Crown                                                                      | MP: 9.00 mm    |                |         |                                                                                     |  |  |  |            |
| 1st Ring Anodized                                                                   |                |                |         |                                                                                     |  |  |  | 96         |

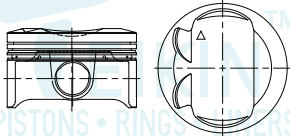
# ADDENDUM TO TEIKIN CATALOG VOL. 19 DATED JUNE 30, 2021

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

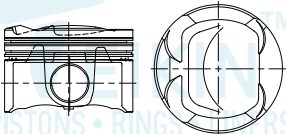
| TOYOTA                                                                            |  |                              |                               | GASOLINE APPLICATION                                                              |  |  |  |            |
|-----------------------------------------------------------------------------------|--|------------------------------|-------------------------------|-----------------------------------------------------------------------------------|--|--|--|------------|
| <b>2ZR-FBE</b> 1800 cc                                                            |  | Ø 80.50<br>+2.5              | 1 - 1.2<br>1 - 1.0<br>1 - 2.0 | Ø 20.012<br>TL 50.00                                                              |  |  |  | TEIKIN NO. |
| TOYOTA COROLLA ALTIS<br>2019 - NOW<br>TOYOTA C-HR<br>2018 - NOW<br>DOHC 16 VALVE  |  | CD 28.40<br>TL 50.10         |                               |  |  |  |  |            |
|  |  | TEIKIN NO.<br>46403          |                               | TEIKIN NO.<br>P 46334                                                             |  |  |  |            |
|                                                                                   |  |                              |                               |                                                                                   |  |  |  |            |
|                                                                                   |  |                              |                               |                                                                                   |  |  |  |            |
| <b>Surface Treatment</b> Bore Clearance                                           |  | REFERENCE NO.<br>13101-0T151 |                               |                                                                                   |  |  |  |            |
| Moly Skirt<br>Anodized Crown<br>1st Ring Anodized                                 |  | MRC: 0.030 mm<br>MP: 8.00 mm |                               |                                                                                   |  |  |  |            |

97

| TOYOTA                                                                                                          |                |                              |                                                     | GASOLINE APPLICATION          |                                                                                                                       |  |  |  |            |
|-----------------------------------------------------------------------------------------------------------------|----------------|------------------------------|-----------------------------------------------------|-------------------------------|-----------------------------------------------------------------------------------------------------------------------|--|--|--|------------|
| <b>3ZR-FE-III</b><br>RAV4 2.0L<br>ZSA42L-AN * XK<br>Avenis<br>Corolla Axio<br>2016-2019                         |                | <b>4 cyl.</b>                | $\varnothing$ 80.50<br>+2.2<br>CD 31.00<br>TL 51.20 | 1 - 1.2<br>1 - 1.0<br>1 - 2.0 | $\varnothing$ 20.012<br>TL 50.00<br> |  |  |  | TEIKIN NO. |
| <br>PISTONS • RINGS • PINNERS |                |                              | TEIKIN NO.<br>46407                                 |                               | TEIKIN NO.<br>P 46334                                                                                                 |  |  |  |            |
|                                                                                                                 |                |                              |                                                     |                               |                                                                                                                       |  |  |  |            |
|                                                                                                                 |                |                              |                                                     |                               |                                                                                                                       |  |  |  |            |
| Surface Treatment                                                                                               | Bore Clearance |                              | REFERENCE NO.<br>13101-37320                        |                               |                                                                                                                       |  |  |  |            |
| Moly Skirt<br>Anodized Crown<br>1st Ring Anodized                                                               |                | MRC: 0.030 mm<br>MP: 6.50 mm |                                                     |                               |                                                                                                                       |  |  |  | 98         |

| TOYOTA                                                                              |  |                      |         | GASOLINE APPLICATION                                                                |  |  |  |            |
|-------------------------------------------------------------------------------------|--|----------------------|---------|-------------------------------------------------------------------------------------|--|--|--|------------|
| <b>2ZR-FXE-II</b>                                                                   |  | <b>Ø 80.50</b>       | 1 - 1.2 | <b>Ø 20.012</b>                                                                     |  |  |  | TEIKIN NO. |
| PRIUS 1.8L<br>ZVW50 / ZVW50L<br>2017-2019                                           |  | +2.4                 | 1 - 1.0 | TL 50.00                                                                            |  |  |  |            |
| <b>4 cyl.</b>                                                                       |  | CD 28.70<br>TL 49.20 | 1 - 2.0 |  |  |  |  |            |
|  |  |                      |         |                                                                                     |  |  |  |            |
|                                                                                     |  | <b>TEIKIN NO.</b>    |         | <b>TEIKIN NO.</b>                                                                   |  |  |  |            |
|                                                                                     |  | <b>46408</b>         |         | <b>P 46334</b>                                                                      |  |  |  |            |
|                                                                                     |  |                      |         |                                                                                     |  |  |  |            |
|                                                                                     |  |                      |         |                                                                                     |  |  |  |            |
| <b>REFERENCE NO.</b>                                                                |  |                      |         |                                                                                     |  |  |  |            |
| 13101-37260                                                                         |  |                      |         |                                                                                     |  |  |  |            |
| <b>Surface Treatment</b>                                                            |  |                      |         |                                                                                     |  |  |  |            |
| <b>Bore Clearance</b>                                                               |  |                      |         |                                                                                     |  |  |  |            |
| Moly Skirt                                                                          |  | MRC: 0.030 mm        |         |                                                                                     |  |  |  |            |
| Anodized Crown                                                                      |  | MP: 6.50 mm          |         |                                                                                     |  |  |  |            |
| 1st Ring Anodized                                                                   |  |                      |         |                                                                                     |  |  |  |            |

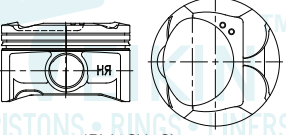
99

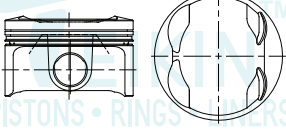
| TOYOTA                                                                              |  |                |            | GASOLINE APPLICATION |                                                                                     |  |  |  |            |
|-------------------------------------------------------------------------------------|--|----------------|------------|----------------------|-------------------------------------------------------------------------------------|--|--|--|------------|
| 8AR-FTS                                                                             |  | 1998 cc        | Ø 86.00    | 1 - 1.5              | Ø 24.000                                                                            |  |  |  | TEIKIN NO. |
| LEXUS NX 200 T / NX 300 / RX 200T / RX 300                                          |  | 4 cyl.         | +2.0       | 1 - 1.2              | TL 58.00                                                                            |  |  |  |            |
| 2013- NOW                                                                           |  |                | CD 36.70   |                      |  |  |  |  |            |
|                                                                                     |  |                | TL 58.20   | 1 - 2.0              |                                                                                     |  |  |  |            |
|  |  |                | TEIKIN NO. |                      | TEIKIN NO.                                                                          |  |  |  |            |
|                                                                                     |  |                | 46405A     |                      | P 46405                                                                             |  |  |  |            |
|                                                                                     |  |                |            |                      |                                                                                     |  |  |  |            |
|                                                                                     |  |                |            |                      |                                                                                     |  |  |  |            |
| REFERENCE NO.                                                                       |  |                |            |                      |                                                                                     |  |  |  |            |
| 13211-36130-A0                                                                      |  |                |            |                      |                                                                                     |  |  |  |            |
|                                                                                     |  |                |            |                      |                                                                                     |  |  |  |            |
|                                                                                     |  |                |            |                      |                                                                                     |  |  |  |            |
| Surface Treatment                                                                   |  | Bore Clearance |            |                      |                                                                                     |  |  |  |            |
| Moly Skirt                                                                          |  | MRC: 0.030 mm  |            |                      |                                                                                     |  |  |  |            |
|                                                                                     |  | MP: 6.50 mm    |            |                      |                                                                                     |  |  |  |            |

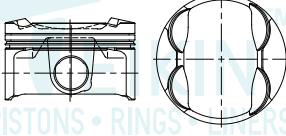
100

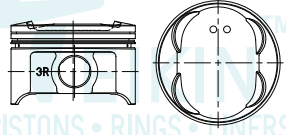
# ADDENDUM TO TEIKIN CATALOG VOL. 19 DATED JUNE 30, 2021

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

| TOYOTA                                                                            |                       |                      |                      | GASOLINE APPLICATION                                                              |  |  |  | TEIKIN NO. |
|-----------------------------------------------------------------------------------|-----------------------|----------------------|----------------------|-----------------------------------------------------------------------------------|--|--|--|------------|
| <b>3GR-FSE</b>                                                                    | <b>3000 cc</b>        | <b>Ø 87.50</b>       | 2 - 1.2              | <b>Ø 22.000</b>                                                                   |  |  |  |            |
| LEXUS GS190 05-11 "D4"<br>05-11                                                   | <b>6 cyl.</b>         | +2.1                 |                      | TL 56.00                                                                          |  |  |  |            |
|  |                       | CD 31.00<br>TL 54.10 | 1 - 2.0              |  |  |  |  |            |
| *Right Side Shown                                                                 |                       |                      |                      |                                                                                   |  |  |  |            |
| <b>Surface Treatment</b>                                                          | <b>Bore Clearance</b> | <b>REFERENCE NO.</b> | <b>REFERENCE NO.</b> |                                                                                   |  |  |  |            |
| Moly Skirt                                                                        | MRC: 0.030 mm         | 13101-31040-B0 (R)   |                      |                                                                                   |  |  |  |            |
| Anodized Crown                                                                    | MP: 5.00 mm           | 13301-31010-B0 (L)   |                      |                                                                                   |  |  |  |            |
| 1st Ring Anodized                                                                 |                       |                      |                      |                                                                                   |  |  |  | 101        |

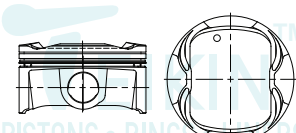
| TOYOTA                                                                             |                       |                      |                      | GASOLINE APPLICATION                                                              |  |  |  | TEIKIN NO. |
|------------------------------------------------------------------------------------|-----------------------|----------------------|----------------------|-----------------------------------------------------------------------------------|--|--|--|------------|
| <b>2AR-FXE</b>                                                                     | <b>2494 cc</b>        | <b>Ø 90.00</b>       | 2 - 1.0              | <b>Ø 22.000</b>                                                                   |  |  |  |            |
|                                                                                    | <b>4 cyl.</b>         | +2.8                 |                      | TL 56.00                                                                          |  |  |  |            |
|  |                       | CD 34.90<br>TL 56.30 | 1 - 2.0              |  |  |  |  |            |
| *Right Side Shown                                                                  |                       |                      |                      |                                                                                   |  |  |  |            |
| <b>Surface Treatment</b>                                                           | <b>Bore Clearance</b> | <b>REFERENCE NO.</b> | <b>REFERENCE NO.</b> |                                                                                   |  |  |  |            |
| Moly Skirt                                                                         | MRC: 0.030 mm         | 13211-36060-B0       |                      |                                                                                   |  |  |  |            |
| Anodized Crown                                                                     | MP: 6.00 mm           |                      |                      |                                                                                   |  |  |  |            |
| 1st Ring Anodized                                                                  |                       |                      |                      |                                                                                   |  |  |  | 102        |

| TOYOTA                                                                              |                       |                      |                      | GASOLINE APPLICATION                                                                |  |  |  | TEIKIN NO. |
|-------------------------------------------------------------------------------------|-----------------------|----------------------|----------------------|-------------------------------------------------------------------------------------|--|--|--|------------|
| <b>2AR-FE</b>                                                                       | <b>2494 cc</b>        | <b>Ø 90.00</b>       | 2 - 1.0              | <b>Ø 22.000</b>                                                                     |  |  |  |            |
|                                                                                     | <b>4 cyl.</b>         | +3.4                 |                      | TL 56.00                                                                            |  |  |  |            |
|  |                       | CD 34.90<br>TL 56.80 | 1 - 2.0              |  |  |  |  |            |
| *Right Side Shown                                                                   |                       |                      |                      |                                                                                     |  |  |  |            |
| <b>Surface Treatment</b>                                                            | <b>Bore Clearance</b> | <b>REFERENCE NO.</b> | <b>REFERENCE NO.</b> |                                                                                     |  |  |  |            |
| Moly Skirt                                                                          | MRC: 0.030 mm         | 13211-36032          | 13011-36020          |                                                                                     |  |  |  |            |
| Anodized Crown                                                                      | MP: 5.00 mm           |                      | 13011-36030          |                                                                                     |  |  |  |            |
| 1st Ring Anodized                                                                   |                       |                      | 13011-36070          |                                                                                     |  |  |  | 103        |

| TOYOTA                                                                              |                       |                      |                      | GASOLINE APPLICATION                                                                |  |  |  | TEIKIN NO. |
|-------------------------------------------------------------------------------------|-----------------------|----------------------|----------------------|-------------------------------------------------------------------------------------|--|--|--|------------|
| <b>3UZ-FE</b>                                                                       | <b>3000 cc</b>        | <b>Ø 91.00</b>       | 2 - 1.2              | <b>Ø 22.000</b>                                                                     |  |  |  |            |
|                                                                                     | <b>8 cyl.</b>         | +2.9                 |                      | TL 62.00                                                                            |  |  |  |            |
|  |                       | CD 33.90<br>TL 60.90 | 1 - 3.0              |  |  |  |  |            |
| *Right Side Shown                                                                   |                       |                      |                      |                                                                                     |  |  |  |            |
| <b>Surface Treatment</b>                                                            | <b>Bore Clearance</b> | <b>REFERENCE NO.</b> | <b>REFERENCE NO.</b> |                                                                                     |  |  |  |            |
| Moly Skirt                                                                          | MRC: 0.030 mm         | 13101-50090-02 (R)   |                      |                                                                                     |  |  |  |            |
| Anodized Crown                                                                      | MP: 10.50 mm          | 13301-50080-02 (L)   |                      |                                                                                     |  |  |  |            |
|                                                                                     |                       |                      |                      |                                                                                     |  |  |  | 104        |

**ADDENDUM TO TEIKIN CATALOG VOL. 19 DATED JUNE 30, 2021**

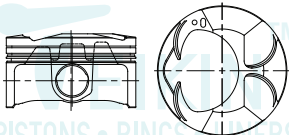
|                                                                                                             |                                                                                                            |                                                                                                       |                                                                                                     |                                                                                                           |                                                                                                                                                                                                                                                 |                                                                                                                 |
|-------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|
|  <p><b>ENGINE TYPE</b></p> |  <p><b>PISTON SET</b></p> |  <p><b>RINGS</b></p> |  <p><b>PIN</b></p> |  <p><b>BUSHING</b></p> | <div>  <p><b>FLANGED</b></p> </div> <div>  <p><b>NO FLANGE</b></p> </div> |  <p><b>LINER KIT SET</b></p> |
|-------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|

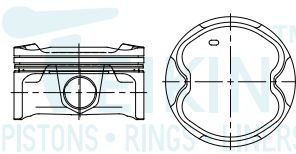
| TOYOTA                                                                            |                | GASOLINE APPLICATION |               |                                                                                   |               |  |  |            |
|-----------------------------------------------------------------------------------|----------------|----------------------|---------------|-----------------------------------------------------------------------------------|---------------|--|--|------------|
| 2GR-FE                                                                            |                | Ø 94.00<br>+2.1      | 2 - 1.2       | Ø 22.000<br>TL 56.00                                                              |               |  |  | TEIKIN NO. |
| 4 cyl.                                                                            |                | CD 31.30<br>TL 52.50 | 1 - 2.0       |  |               |  |  |            |
|  |                | TEIKIN NO.           | TEIKIN NO.    | TEIKIN NO.                                                                        | TEIKIN NO.    |  |  |            |
|                                                                                   |                | 46363-4              | R 46363       | P 34101                                                                           | B 46360       |  |  |            |
|                                                                                   |                |                      |               |                                                                                   |               |  |  |            |
|                                                                                   |                |                      |               |                                                                                   |               |  |  |            |
| Surface Treatment                                                                 | Bore Clearance | REFERENCE NO.        | REFERENCE NO. |                                                                                   | REFERENCE NO. |  |  |            |
| Moly Skirt                                                                        | MRC: 0.030 mm  | 13101-31091          | 13011-31130   |                                                                                   | 90999-73144   |  |  |            |
| Anodized Crown                                                                    | MP: 5.50 mm    | 13101-31090          |               |                                                                                   |               |  |  |            |
| 1st Ring Anodized                                                                 |                | 13101-31092          |               |                                                                                   |               |  |  |            |

105

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

106

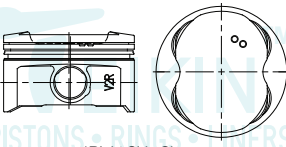
| TOYOTA                                                                                                   |                       | GASOLINE APPLICATION                                             |                |         |                                                                                     |  |  |  |            |
|----------------------------------------------------------------------------------------------------------|-----------------------|------------------------------------------------------------------|----------------|---------|-------------------------------------------------------------------------------------|--|--|--|------------|
| <b>2GR-FKS</b>                                                                                           |                       | <b>3456 cc</b>                                                   | Ø <b>94.00</b> | 2 - 1.2 | Ø 22.000                                                                            |  |  |  | TEIKIN NO. |
| LEXUS GS 350 /<br>RX 350 / LM 350<br>2016- NOW                                                           |                       | <b>6 cyl.</b>                                                    | +2.5           |         | TL 56.00                                                                            |  |  |  |            |
|                                                                                                          |                       | CD 31.50                                                         |                | 1 - 2.0 |  |  |  |  |            |
|                                                                                                          |                       | TL 53.50                                                         |                |         |                                                                                     |  |  |  |            |
|                                                                                                          |                       | <b>TEIKIN NO.</b>                                                |                |         | <b>TEIKIN NO.</b>                                                                   |  |  |  |            |
|                                                                                                          |                       | <b>46404</b>                                                     |                |         | <b>P 34101</b>                                                                      |  |  |  |            |
|                                                                                                          |                       |                                                                  |                |         |                                                                                     |  |  |  |            |
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| <br>*Right Side Shown |                       |                                                                  |                |         |                                                                                     |  |  |  |            |
| <b>Surface Treatment</b>                                                                                 | <b>Bore Clearance</b> |                                                                  |                |         |                                                                                     |  |  |  |            |
| Moly Skirt                                                                                               | MRC: 0.030 mm         |                                                                  |                |         |                                                                                     |  |  |  |            |
| Anodized Crown                                                                                           | MP: 7.00 mm           |                                                                  |                |         |                                                                                     |  |  |  |            |
| 1st Ring Anodized                                                                                        |                       |                                                                  |                |         |                                                                                     |  |  |  |            |
|                                                                                                          |                       | <b>REFERENCE NO.</b><br>13101-31171-A0 (R)<br>13301-31101-A0 (L) |                |         |                                                                                     |  |  |  |            |
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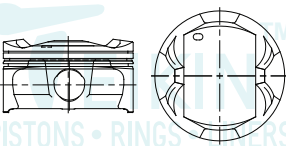
| TOYOTA                                                                                           |                              |                                                |                            | GASOLINE APPLICATION                                                                                               |                          |               |                                        |
|--------------------------------------------------------------------------------------------------|------------------------------|------------------------------------------------|----------------------------|--------------------------------------------------------------------------------------------------------------------|--------------------------|---------------|----------------------------------------|
| <b>1GR-FE-II</b><br>LAND CRUISER PRADO GRJ150 DOHC 24V (09--)<br><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>1 - 2.0         | <b>Ø 22.000</b><br>TL 56.00<br> | TL<br>OD                 | 168.0<br>98.0 | <b>TEIKIN NO.</b><br><b>LKSX 46703</b> |
|               |                              | <b>TEIKIN NO.</b>                              | <b>TEIKIN NO.</b>          | <b>TEIKIN NO.</b>                                                                                                  | <b>TEIKIN NO.</b>        |               |                                        |
|                                                                                                  |                              | <b>46703</b>                                   | <b>R 46368</b>             | <b>P 34101</b>                                                                                                     | <b>LSX 46272</b>         |               |                                        |
|                                                                                                  |                              |                                                |                            |                                                                                                                    | <b>Surface Treatment</b> |               |                                        |
|                                                                                                  |                              |                                                |                            |                                                                                                                    | None                     |               |                                        |
| <b>Surface Treatment</b>                                                                         | <b>Bore Clearance</b>        | <b>REFERENCE NO.</b>                           | <b>REFERENCE NO.</b>       |                                                                                                                    | <b>REFERENCE NO.</b>     |               |                                        |
| Moly Skirt<br>Anodized Crown<br>1st Ring Anodized                                                | MRC: 0.030 mm<br>MP: 6.50 mm | 13101-31120                                    | 13011-31100<br>13011-31210 |                                                                                                                    |                          |               |                                        |

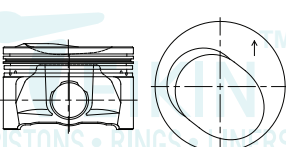
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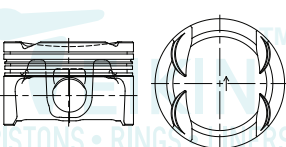
# ADDENDUM TO TEIKIN CATALOG VOL. 19 DATED JUNE 30, 2021

|                                                                                                  |                                                                                                 |                                                                                            |                                                                                          |                                                                                               |                                                                                                      |                                                                                                  |                                                                                                      |
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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 |
|--------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|

| TOYOTA                                                                                                 |                |                                                   |                    | GASOLINE APPLICATION                                                                                                |  |  |  | TEIKIN NO. |
|--------------------------------------------------------------------------------------------------------|----------------|---------------------------------------------------|--------------------|---------------------------------------------------------------------------------------------------------------------|--|--|--|------------|
| <b>2UZ-FE-II</b> 4700 cc<br>LAND CRUISER 200 07<br>07-NEW                                              | <b>8 cyl.</b>  | $\emptyset$ 94.00<br>+2.5<br>CD 33.90<br>TL 57.40 | 2 - 1.2<br>1 - 3.0 | $\emptyset$ 22.000<br>TL 62.00<br> |  |  |  |            |
| <br>*Right Side Shown | TEIKIN NO.     | TEIKIN NO.                                        | TEIKIN NO.         |                                                                                                                     |  |  |  |            |
|                                                                                                        | 46395          | R 46395                                           | P 43222            |                                                                                                                     |  |  |  |            |
|                                                                                                        | REFERENCE NO.  | REFERENCE NO.                                     |                    |                                                                                                                     |  |  |  |            |
| Surface Treatment                                                                                      | Bore Clearance | 13101-50082-02 (R)<br>13301-50072-02 (L)          |                    |                                                                                                                     |  |  |  | 109        |
| Moly Skirt                                                                                             | MRC: 0.030 mm  |                                                   |                    |                                                                                                                     |  |  |  |            |
| Anodized Crown                                                                                         | MP: 3.50 mm    |                                                   |                    |                                                                                                                     |  |  |  |            |
| 1st Ring Anodized                                                                                      |                |                                                   |                    |                                                                                                                     |  |  |  |            |

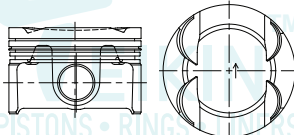
| TOYOTA                                                                                                         |                |                                                   |                    | GASOLINE APPLICATION                                                                                                |  |  |  | TEIKIN NO. |
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| <b>1UR-FE</b> 4608 cc<br>SEQUOIA 2012-12,<br>TUNDRA PICKUP<br>2010-16<br>DOHC 32V V8                           | <b>8 cyl.</b>  | $\emptyset$ 94.00<br>+1.9<br>CD 31.10<br>TL 53.00 | 2 - 1.2<br>1 - 2.0 | $\emptyset$ 22.000<br>TL 56.00<br> |  |  |  |            |
| <br>PISTONS • RINGS • LINERS | TEIKIN NO.     | TEIKIN NO.                                        | TEIKIN NO.         |                                                                                                                     |  |  |  |            |
|                                                                                                                | 46399          |                                                   | P 34101            |                                                                                                                     |  |  |  |            |
|                                                                                                                | REFERENCE NO.  |                                                   |                    |                                                                                                                     |  |  |  |            |
| Surface Treatment                                                                                              | Bore Clearance | 13101-0S020                                       |                    |                                                                                                                     |  |  |  | 110        |
| Moly Skirt                                                                                                     | MRC: 0.030 mm  |                                                   |                    |                                                                                                                     |  |  |  |            |
| Anodized Crown                                                                                                 | MP: 7.00 mm    |                                                   |                    |                                                                                                                     |  |  |  |            |
| 1st Ring Anodized                                                                                              |                |                                                   |                    |                                                                                                                     |  |  |  |            |

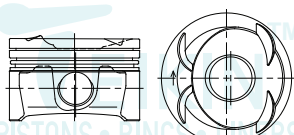
| VOLKSWAGEN                                                                                                                                         |                |                                                   |                    | GASOLINE APPLICATION                                                                                                  |  |  |  | TEIKIN NO. |
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| <b>CBZB</b> 1197 cc<br>SEAT TOLEDO IV (KG3)<br>1.2 TSI 2012 - 2015<br>CADDY III Box Body/MPV<br>1.2 TSI 2010 - 2015<br>SEAT IBIZA IV SC (6J1, 6P5) | <b>4 cyl.</b>  | $\emptyset$ 71.01<br>+1.8<br>CD 29.00<br>TL 46.80 | 2 - 1.2<br>1 - 2.0 | $\emptyset$ 19.000<br>TL 42.00<br> |  |  |  |            |
| <br>PISTONS • RINGS • LINERS                                    | TEIKIN NO.     | TEIKIN NO.                                        | TEIKIN NO.         |                                                                                                                       |  |  |  |            |
|                                                                                                                                                    | 48230          | R 48230                                           | P 48215            |                                                                                                                       |  |  |  |            |
|                                                                                                                                                    | REFERENCE NO.  | REFERENCE NO.                                     |                    |                                                                                                                       |  |  |  |            |
| Surface Treatment                                                                                                                                  | Bore Clearance | 03F-107-065-F<br>03F-107-065-A<br>03F-107-065-D   | 03F 198 151        |                                                                                                                       |  |  |  | 111        |
| Moly Skirt                                                                                                                                         | MRC: 0.030 mm  |                                                   |                    |                                                                                                                       |  |  |  |            |
| Anodized Crown                                                                                                                                     | MP: 5.00 mm    |                                                   |                    |                                                                                                                       |  |  |  |            |
| 1st Ring Anodized                                                                                                                                  |                |                                                   |                    |                                                                                                                       |  |  |  |            |

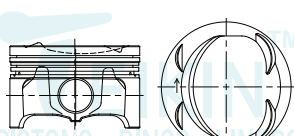
| VOLKSWAGEN                                                                                                                                         |                |                                                   |                    | GASOLINE APPLICATION                                                                                                  |  |  |  | TEIKIN NO. |
|----------------------------------------------------------------------------------------------------------------------------------------------------|----------------|---------------------------------------------------|--------------------|-----------------------------------------------------------------------------------------------------------------------|--|--|--|------------|
| <b>CZDA</b> 1400 cc<br>SEAT LEON (5F1) 1.4 TSI 14<br>AUDI Q3 SUV (8UB, 8UG)<br>1.4 TSI 2013 - 2018<br>TIGUAN SUV (AD1, AX1)<br>1.4 TSI 2016 - 2018 | <b>4 cyl.</b>  | $\emptyset$ 74.50<br>-2.7<br>CD 30.80<br>TL 47.80 | 2 - 1.2<br>1 - 2.0 | $\emptyset$ 19.000<br>TL 47.00<br> |  |  |  |            |
| <br>PISTONS • RINGS • LINERS                                    | TEIKIN NO.     | TEIKIN NO.                                        | TEIKIN NO.         |                                                                                                                       |  |  |  |            |
|                                                                                                                                                    | 48231          | R 48231                                           | P 44609            |                                                                                                                       |  |  |  |            |
|                                                                                                                                                    | REFERENCE NO.  | REFERENCE NO.                                     |                    |                                                                                                                       |  |  |  |            |
| Surface Treatment                                                                                                                                  | Bore Clearance | 04E-107-065-GN<br>04E-107-065-GM                  | 04E 198 151 B      |                                                                                                                       |  |  |  | 112        |
| Moly Skirt                                                                                                                                         | MRC: 0.030 mm  |                                                   |                    |                                                                                                                       |  |  |  |            |
| Anodized Crown                                                                                                                                     | MP: 5.00 mm    |                                                   |                    |                                                                                                                       |  |  |  |            |
| 1st Ring Anodized                                                                                                                                  |                |                                                   |                    |                                                                                                                       |  |  |  |            |

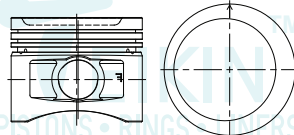
# ADDENDUM TO TEIKIN CATALOG VOL. 19 DATED JUNE 30, 2021

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

| VOLKSWAGEN                                                                                                                 |                                              |                                                   |                                                                                                           | GASOLINE APPLICATION |  |  |  | TEIKIN NO. |
|----------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|---------------------------------------------------|-----------------------------------------------------------------------------------------------------------|----------------------|--|--|--|------------|
| <b>CZCA</b> 1395 cc<br>AUDI A1 (8X1, 8XK)<br>1.4 TFSI 2014 - 2018<br>SEAT TOLEDO IV (KG3)<br>1.4 TSI 2015 - 2019<br>4 cyl. | Ø 74.51<br>-1.5<br>CD 31.00<br>TL 48.50      | 2 - 1.2<br>1 - 2.0                                | Ø 19.000<br>TL 52.00<br> |                      |  |  |  |            |
|                                           | TEIKIN NO.<br>48229                          | TEIKIN NO.<br>R 48229                             | TEIKIN NO.<br>P 44258                                                                                     |                      |  |  |  |            |
| Surface Treatment: Moly Skirt<br>Anodized Crown<br>1st Ring Anodized                                                       | Bore Clearance: MRC: 0.030 mm<br>MP: 5.00 mm | REFERENCE NO.<br>04E-107-065-GK<br>04E-107-065-GL | REFERENCE NO.<br>04E 198 151 B                                                                            |                      |  |  |  |            |
|                                                                                                                            |                                              |                                                   |                                                                                                           |                      |  |  |  | 113        |

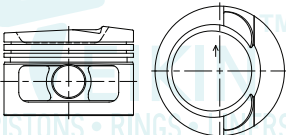
| VOLKSWAGEN                                                                                |                                              |                                 |                                                                                                           | GASOLINE APPLICATION |  |  |  | TEIKIN NO. |
|-------------------------------------------------------------------------------------------|----------------------------------------------|---------------------------------|-----------------------------------------------------------------------------------------------------------|----------------------|--|--|--|------------|
| <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>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.                                                                                             |                      |  |  |  |            |
|                                                                                           |                                              |                                 |                                                                                                           |                      |  |  |  | 114        |

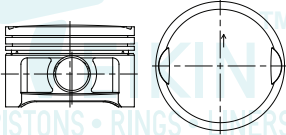
| VOLKSWAGEN                                                                                                                        |                                              |                                                               |                                                                                                             | GASOLINE APPLICATION |  |  |  | TEIKIN NO. |
|-----------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|---------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------|----------------------|--|--|--|------------|
| <b>CAXA</b> 1390 cc<br>SET TOLEDO IV (KG3)<br>1.4 TSI 2012 - 2015<br>AUDI A1 SPORTBACK (8XA, 8XF)<br>1.4 TFSI 2011-2015<br>4 cyl. | Ø 76.51<br>+1.9<br>CD 29.20<br>TL 50.20      | 2 - 1.2<br>1 - 2.0                                            | Ø 19.000<br>TL 52.00<br> |                      |  |  |  |            |
|                                                | TEIKIN NO.<br>48228                          | TEIKIN NO.<br>R 48228                                         | TEIKIN NO.<br>P 44258                                                                                       |                      |  |  |  |            |
| Surface Treatment: Moly Skirt<br>Anodized Crown<br>1st Ring Anodized                                                              | Bore Clearance: MRC: 0.030 mm<br>MP: 8.00 mm | REFERENCE NO.<br>03C-107-065-AP<br>K-40477600<br>N-8742990000 | REFERENCE NO.<br>036 198 151 H/A/G<br>04E 198 151 H<br>G-0842990000<br>K-800073310000                       |                      |  |  |  |            |
|                                                                                                                                   |                                              |                                                               |                                                                                                             |                      |  |  |  | 115        |

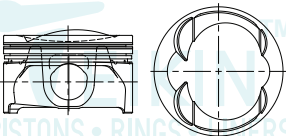
| VOLKSWAGEN                                                                          |                                               |                                |                                                                                                             | GASOLINE APPLICATION |  |  |  | TEIKIN NO. |
|-------------------------------------------------------------------------------------|-----------------------------------------------|--------------------------------|-------------------------------------------------------------------------------------------------------------|----------------------|--|--|--|------------|
| <b>AAF</b> 5 cyl.<br>Eurovan Cargo<br>Transporter T4<br>Eurovan Van                 | Ø 81.00<br>-4.7<br>CD 38.30<br>TL 64.40       | 1 - 1.75<br>1 - 2.0<br>1 - 3.0 | Ø 24.000<br>TL 55.85<br> |                      |  |  |  |            |
|  | TEIKIN NO.<br>48224                           |                                | TEIKIN NO.<br>P 48224                                                                                       |                      |  |  |  |            |
| Surface Treatment: Chromated<br>Moly Skirt                                          | Bore Clearance: MRC: 0.030 mm<br>MP: 10.00 mm | REFERENCE NO.<br>023107065A    |                                                                                                             |                      |  |  |  |            |
|                                                                                     |                                               |                                |                                                                                                             |                      |  |  |  | 116        |

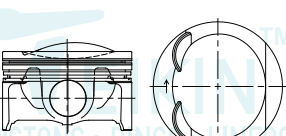
# ADDENDUM TO TEIKIN CATALOG VOL. 19 DATED JUNE 30, 2021

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

| VOLKSWAGEN                                                                        |                |                |          | GASOLINE APPLICATION                                                              |  |  |  | TEIKIN NO. |
|-----------------------------------------------------------------------------------|----------------|----------------|----------|-----------------------------------------------------------------------------------|--|--|--|------------|
| <b>2.8L</b>                                                                       |                | <b>Ø 81.00</b> | 1 - 1.5  | <b>Ø 20.000</b>                                                                   |  |  |  |            |
| <b>6 cyl.</b>                                                                     |                | +2.1           | 1 - 1.75 | TL 56.58                                                                          |  |  |  |            |
| CD 32.30                                                                          |                |                | 1 - 3.0  |  |  |  |  |            |
| TL 55.70                                                                          |                |                |          |                                                                                   |  |  |  |            |
|  |                | TEIKIN NO.     |          | TEIKIN NO.                                                                        |  |  |  |            |
|                                                                                   |                | <b>48223</b>   |          | <b>P 42165</b>                                                                    |  |  |  |            |
| REFERENCE NO.                                                                     |                |                |          |                                                                                   |  |  |  |            |
| 071107065C                                                                        |                |                |          |                                                                                   |  |  |  |            |
| Surface Treatment                                                                 | Bore Clearance |                |          |                                                                                   |  |  |  |            |
| Tin Coated                                                                        | MRC: 0.030 mm  |                |          |                                                                                   |  |  |  |            |
|                                                                                   | MP: 4.50 mm    |                |          |                                                                                   |  |  |  |            |
|                                                                                   |                |                |          |                                                                                   |  |  |  | <b>117</b> |

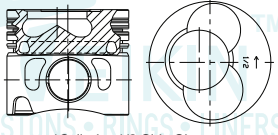
| VOLKSWAGEN                                                                         |                |                |                | GASOLINE APPLICATION                                                              |  |  |  | TEIKIN NO. |
|------------------------------------------------------------------------------------|----------------|----------------|----------------|-----------------------------------------------------------------------------------|--|--|--|------------|
| <b>AMX</b>                                                                         |                | <b>Ø 82.50</b> | 1 - 1.2        | <b>Ø 21.000</b>                                                                   |  |  |  |            |
| <b>2771 cc</b>                                                                     |                | +1.1           | 1 - 1.5        | TL 56.00                                                                          |  |  |  |            |
| CD 30.20                                                                           |                |                | 1 - 2.0        |  |  |  |  |            |
| TL 52.30                                                                           |                |                |                |                                                                                   |  |  |  |            |
|  |                | TEIKIN NO.     | TEIKIN NO.     | TEIKIN NO.                                                                        |  |  |  |            |
|                                                                                    |                | <b>48225</b>   | <b>R 48225</b> | <b>P 38151</b>                                                                    |  |  |  |            |
| REFERENCE NO.                                                                      |                |                |                |                                                                                   |  |  |  |            |
| 078 107 065 AF                                                                     |                |                |                |                                                                                   |  |  |  |            |
| 078 107 103 AF                                                                     |                |                |                |                                                                                   |  |  |  |            |
| 078 107 103 AJ                                                                     |                |                |                |                                                                                   |  |  |  |            |
| Surface Treatment                                                                  | Bore Clearance |                |                |                                                                                   |  |  |  |            |
| Chromated                                                                          | MRC: 0.030 mm  |                |                |                                                                                   |  |  |  |            |
| Moly Skirt                                                                         | MP: 6.50 mm    |                |                |                                                                                   |  |  |  |            |
|                                                                                    |                |                |                |                                                                                   |  |  |  | <b>118</b> |

| VOLKSWAGEN                                                                          |                |                |                | GASOLINE APPLICATION                                                                |  |  |  | TEIKIN NO. |
|-------------------------------------------------------------------------------------|----------------|----------------|----------------|-------------------------------------------------------------------------------------|--|--|--|------------|
| <b>CZPA</b>                                                                         |                | <b>Ø 82.50</b> | 2 - 1.2        | <b>Ø 23.000</b>                                                                     |  |  |  |            |
| <b>VOLKSWAGEN TIGUAN SUV</b>                                                        |                | +3.6           | 1 - 2.0        | TL 51.00                                                                            |  |  |  |            |
| <b>4 cyl.</b>                                                                       |                |                |                |  |  |  |  |            |
| CD 29.70                                                                            |                |                |                |                                                                                     |  |  |  |            |
| TL 53.20                                                                            |                |                |                |                                                                                     |  |  |  |            |
|  |                | TEIKIN NO.     | TEIKIN NO.     | TEIKIN NO.                                                                          |  |  |  |            |
|                                                                                     |                | <b>48233A</b>  | <b>R 48233</b> | <b>P 48232</b>                                                                      |  |  |  |            |
| REFERENCE NO.                                                                       |                |                |                |                                                                                     |  |  |  |            |
| 06K-107-065-AB                                                                      |                |                |                |                                                                                     |  |  |  |            |
| REFERENCE NO.                                                                       |                |                |                |                                                                                     |  |  |  |            |
| 06H 198 151 J                                                                       |                |                |                |                                                                                     |  |  |  |            |
| Surface Treatment                                                                   | Bore Clearance |                |                |                                                                                     |  |  |  |            |
| Moly Skirt                                                                          | MRC: 0.030 mm  |                |                |                                                                                     |  |  |  |            |
|                                                                                     | MP: 7.00 mm    |                |                |                                                                                     |  |  |  |            |
|                                                                                     |                |                |                |                                                                                     |  |  |  | <b>119</b> |

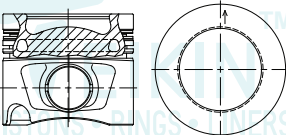
| VOLKSWAGEN                                                                          |                |                |                | GASOLINE APPLICATION                                                                |  |  |  | TEIKIN NO. |
|-------------------------------------------------------------------------------------|----------------|----------------|----------------|-------------------------------------------------------------------------------------|--|--|--|------------|
| <b>CDAB</b>                                                                         |                | <b>Ø 82.51</b> | 2 - 1.2        | <b>Ø 23.000</b>                                                                     |  |  |  |            |
| <b>1798 cc</b>                                                                      |                | +5.7           | 1 - 2.0        | TL 51.00                                                                            |  |  |  |            |
| CD 29.80                                                                            |                |                |                |  |  |  |  |            |
| TL 56.00                                                                            |                |                |                |                                                                                     |  |  |  |            |
|  |                | TEIKIN NO.     | TEIKIN NO.     | TEIKIN NO.                                                                          |  |  |  |            |
|                                                                                     |                | <b>48232A</b>  | <b>R 48232</b> | <b>P 48232</b>                                                                      |  |  |  |            |
| REFERENCE NO.                                                                       |                |                |                |                                                                                     |  |  |  |            |
| 06H-107-065-DL                                                                      |                |                |                |                                                                                     |  |  |  |            |
| REFERENCE NO.                                                                       |                |                |                |                                                                                     |  |  |  |            |
| 06J 198 151 E                                                                       |                |                |                |                                                                                     |  |  |  |            |
| Surface Treatment                                                                   | Bore Clearance |                |                |                                                                                     |  |  |  |            |
| Moly Skirt                                                                          | MRC: 0.030 mm  |                |                |                                                                                     |  |  |  |            |
|                                                                                     | MP: 7.00 mm    |                |                |                                                                                     |  |  |  |            |
|                                                                                     |                |                |                |                                                                                     |  |  |  | <b>120</b> |

# ADDENDUM TO TEIKIN CATALOG VOL. 19 DATED JUNE 30, 2021

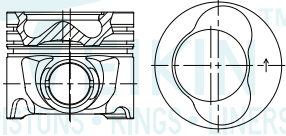
|                                                                                                  |                                                                                                 |                                                                                            |         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

| VOLKSWAGEN                                                                                                    |               |                                                                       |                                | DIESEL APPLICATION                                                                                        |  |  |  | TEIKIN NO. |
|---------------------------------------------------------------------------------------------------------------|---------------|-----------------------------------------------------------------------|--------------------------------|-----------------------------------------------------------------------------------------------------------|--|--|--|------------|
| <b>AXB TURBO</b> 1896 cc<br>Eurovan (Diesel) 05-09<br>SOHC 8 Val.<br>(TDI)                                    | <b>4 cyl.</b> | Ø 79.50<br>-17.9<br>CD 45.80<br>TL 68.80                              | 1 - 1.85<br>1 - 2.0<br>1 - 3.0 | Ø 26.000<br>TL 65.50<br> |  |  |  |            |
| <br>*Cylinder 1/2 Side Shown |               | TEIKIN NO.<br><b>48226AG</b>                                          | TEIKIN NO.<br><b>R 48226</b>   | TEIKIN NO.<br><b>P 48222</b>                                                                              |  |  |  |            |
| Surface Treatment: Moly Skirt<br>Bore Clearance: MRC: 0.030 mm<br>MP: 6.00 mm                                 |               | REFERENCE NO.<br>038 107 065 EL (CYL 1/2)<br>038 107 065 EM (CYL 3/4) | REFERENCE NO.                  |                                                                                                           |  |  |  |            |
|                                                                                                               |               |                                                                       |                                |                                                                                                           |  |  |  |            |

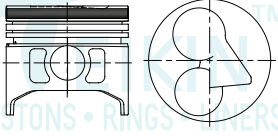
121

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

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| VOLKSWAGEN                                                                                                                  |               |                                          |                               | DIESEL APPLICATION                                                                                          |  |  |  | TEIKIN NO. |
|-----------------------------------------------------------------------------------------------------------------------------|---------------|------------------------------------------|-------------------------------|-------------------------------------------------------------------------------------------------------------|--|--|--|------------|
| <b>BJK TURBO</b> 2461 cc<br>Crafter (Diesel)<br>2008-2011<br>SOHC 10Val. TDi<br>(geometria variable)<br>Crafter Van y Cargo | <b>5 cyl.</b> | Ø 81.00<br>-16.5<br>CD 45.70<br>TL 68.00 | 1 - 2.5<br>1 - 2.0<br>1 - 3.0 | Ø 26.000<br>TL 65.50<br> |  |  |  |            |
| <br>*W/ Insert Bush                      |               | TEIKIN NO.<br><b>48227A</b>              |                               | TEIKIN NO.<br><b>P 48222</b>                                                                                |  |  |  |            |
| Surface Treatment: Moly Skirt<br>Bore Clearance: MRC: 0.030 mm<br>MP: 5.50 mm                                               |               | REFERENCE NO.<br>076107065               |                               |                                                                                                             |  |  |  |            |
|                                                                                                                             |               |                                          |                               |                                                                                                             |  |  |  |            |

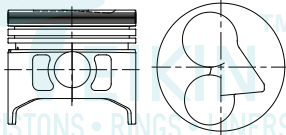
123

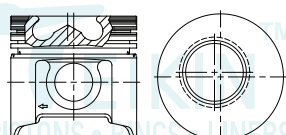
| KUBOTA                                                                                                 |               |                                         |                                  | STATIONERY & AGRICULTURE APPLICATION                                                                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

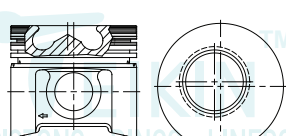
124

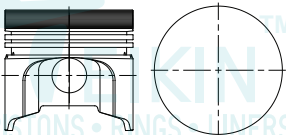
# ADDENDUM TO TEIKIN CATALOG VOL. 19 DATED JUNE 30, 2021

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

| KUBOTA                                                                                                            |                                                |                                  |                                                                                                                  | STATIONERY & AGRICULTURE APPLICATION |  |  |  | TEIKIN NO. |
|-------------------------------------------------------------------------------------------------------------------|------------------------------------------------|----------------------------------|------------------------------------------------------------------------------------------------------------------|--------------------------------------|--|--|--|------------|
| <b>4D78</b><br><b>4 cyl.</b><br> | <b>Ø 78.00</b><br>-1.8<br>CD 36.30<br>TL 69.50 | 1 - 2.0 HK<br>1 - 1.5<br>1 - 4.0 | <b>Ø 22.000</b><br>TL 60.00<br> |                                      |  |  |  |            |
|                                                                                                                   | TEIKIN NO.                                     | TEIKIN NO.                       | TEIKIN NO.                                                                                                       |                                      |  |  |  |            |
|                                                                                                                   | <b>G0135</b>                                   | <b>R G0135</b>                   | <b>P 34102</b>                                                                                                   |                                      |  |  |  |            |
|                                                                                                                   | REFERENCE NO.                                  | REFERENCE NO.                    |                                                                                                                  |                                      |  |  |  |            |
| <b>Surface Treatment</b><br>Tin Coated<br><b>Bore Clearance</b><br>MRC: 0.060 mm<br>MP: 18.00 mm                  | 16060-21114                                    |                                  |                                                                                                                  |                                      |  |  |  | 125        |

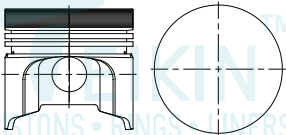
| KUBOTA                                                                                                              |                                                 |                                  |                                                                                                                  | STATIONERY & AGRICULTURE APPLICATION |  |  |  | TEIKIN NO. |
|---------------------------------------------------------------------------------------------------------------------|-------------------------------------------------|----------------------------------|------------------------------------------------------------------------------------------------------------------|--------------------------------------|--|--|--|------------|
| <b>D1503</b><br><b>1 cyl.</b><br> | <b>Ø 83.00</b><br>-16.0<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.                       | TEIKIN NO.                                                                                                       |                                      |  |  |  |            |
|                                                                                                                     | <b>G0600A-1</b>                                 | <b>R G0600</b>                   | <b>P 42601</b>                                                                                                   |                                      |  |  |  |            |
|                                                                                                                     | REFERENCE NO.                                   | REFERENCE NO.                    |                                                                                                                  |                                      |  |  |  |            |
| <b>Surface Treatment</b><br>Moly Skirt<br><b>Bore Clearance</b><br>MRC: 0.050 mm<br>MP: 22.00 mm                    | 1G770-21110                                     |                                  |                                                                                                                  |                                      |  |  |  | 126        |

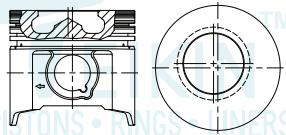
| KUBOTA                                                                                                                                 |                                                 |                                  |                                                                                                                    | STATIONERY & AGRICULTURE APPLICATION |  |  |  | TEIKIN NO. |
|----------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------|----------------------------------|--------------------------------------------------------------------------------------------------------------------|--------------------------------------|--|--|--|------------|
| <b>D1503</b><br><b>1499 cc</b><br><b>3 cyl.</b><br> | <b>Ø 83.00</b><br>-16.0<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.                       | TEIKIN NO.                                                                                                         |                                      |  |  |  |            |
|                                                                                                                                        | <b>G0600A</b>                                   | <b>R G0600</b>                   | <b>P 42601</b>                                                                                                     |                                      |  |  |  |            |
|                                                                                                                                        | REFERENCE NO.                                   | REFERENCE NO.                    |                                                                                                                    |                                      |  |  |  |            |
| <b>Surface Treatment</b><br>Moly Skirt<br><b>Bore Clearance</b><br>MRC: 0.050 mm<br>MP: 22.00 mm                                       | 1G770-21110                                     |                                  |                                                                                                                    |                                      |  |  |  | 127        |

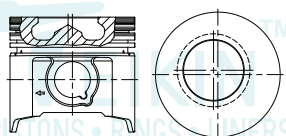
| KUBOTA                                                                                                              |                                        |                                  |                                                                                                                    | STATIONERY & AGRICULTURE APPLICATION |  |  |  | TEIKIN NO. |
|---------------------------------------------------------------------------------------------------------------------|----------------------------------------|----------------------------------|--------------------------------------------------------------------------------------------------------------------|--------------------------------------|--|--|--|------------|
| <b>4D85</b><br><b>1 cyl.</b><br> | <b>Ø 85.00</b><br>CD 43.40<br>TL 79.90 | 1 - 2.5 HK<br>1 - 2.0<br>1 - 5.0 | <b>Ø 23.000</b><br>TL 63.00<br> |                                      |  |  |  |            |
|                                                                                                                     | TEIKIN NO.                             |                                  | TEIKIN NO.                                                                                                         |                                      |  |  |  |            |
|                                                                                                                     | <b>G0136-1</b>                         |                                  | <b>P 51132</b>                                                                                                     |                                      |  |  |  |            |
|                                                                                                                     | REFERENCE NO.                          |                                  |                                                                                                                    |                                      |  |  |  |            |
| <b>Surface Treatment</b><br>Tin Coated<br><b>Bore Clearance</b><br>MRC: 0.070 mm<br>MP: 20.00 mm                    | 19439-21110<br>19439-21111             |                                  |                                                                                                                    |                                      |  |  |  | 128        |

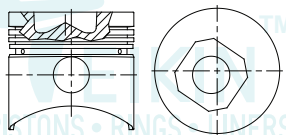
# ADDENDUM TO TEIKIN CATALOG VOL. 19 DATED JUNE 30, 2021

|                                                                                                  |                                                                                                 |                                                                                            |                                                                                          |                                                                                               |                                                                                                             |                                                                                                      |
|--------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|
| <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>4D85</b><br><b>4 cyl.</b><br><br><b>Surface Treatment</b> Tin Coated<br><b>Bore Clearance</b> MRC: 0.070 mm<br>MP: 20.00 mm | Ø <b>85.00</b>                              | 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><b>G0136</b>                  |                                  | TEIKIN NO.<br><b>P 51132</b>                                                                              |                                      |  |  |  |            |
|                                                                                                                                                                                                                 | REFERENCE NO.<br>19439-21110<br>19439-21111 |                                  |                                                                                                           |                                      |  |  |  | <b>129</b> |

| KUBOTA                                                                                                                                                                                                             |                               |                                  |                                                                                                           | STATIONERY & AGRICULTURE APPLICATION |  |  |  | TEIKIN NO. |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|----------------------------------|-----------------------------------------------------------------------------------------------------------|--------------------------------------|--|--|--|------------|
| <b>V2403T</b><br><b>1 cyl.</b><br><br><b>Surface Treatment</b> Moly Skirt<br><b>Bore Clearance</b> MRC: 0.040 mm<br>MP: 16.00 mm | Ø <b>87.00</b>                | 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><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>130</b> |

| KUBOTA                                                                                                                                                                                                                                |                             |                                  |                                                                                                             | STATIONERY & AGRICULTURE APPLICATION |  |  |  | TEIKIN NO. |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|----------------------------------|-------------------------------------------------------------------------------------------------------------|--------------------------------------|--|--|--|------------|
| <b>V2403T</b><br><b>2434 cc</b><br><b>4 cyl.</b><br><br><b>Surface Treatment</b> Moly Skirt<br><b>Bore Clearance</b> MRC: 0.040 mm<br>MP: 16.00 mm | Ø <b>87.00</b>              | 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><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>131</b> |

| KUBOTA                                                                                                                                                                                                              |                              |                                  |                                                                                                             | STATIONERY & AGRICULTURE APPLICATION |                                                  |  |  | TEIKIN NO. |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|----------------------------------|-------------------------------------------------------------------------------------------------------------|--------------------------------------|--------------------------------------------------|--|--|------------|
| <b>RD 115</b><br><b>1 cyl.</b><br><br><b>Surface Treatment</b> Tin Coated<br><b>Bore Clearance</b> MRC: 0.100 mm<br>MP: 22.50 mm | Ø <b>94.00</b>               | 1 - 2.5 HK<br>2 - 2.0<br>1 - 4.5 | Ø 27.000<br>TL 72.00<br> |                                      | TL 158.0<br>OD 106.0<br>FT 10.10+0.7<br>FD 114.0 |  |  |            |
|                                                                                                                                                                                                                     | CD 47.10<br>TL 88.20         |                                  |                                                                                                             |                                      |                                                  |  |  |            |
|                                                                                                                                                                                                                     | TEIKIN NO.<br><b>G0137</b>   | TEIKIN NO.<br><b>R G0137</b>     | TEIKIN NO.<br><b>P 39125</b>                                                                                |                                      | TEIKIN NO.<br><b>LFF G0137</b>                   |  |  |            |
|                                                                                                                                                                                                                     | REFERENCE NO.<br>1T061-21110 | REFERENCE NO.                    |                                                                                                             |                                      | Surface Treatment<br>None<br>REFERENCE NO.       |  |  | <b>132</b> |

# ADDENDUM TO TEIKIN CATALOG VOL. 19 DATED JUNE 30, 2021

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

| YANMAR            |                   |                                                               | STATIONERY & AGRICULTURE APPLICATION |                                                                                                                               |  |  |  |  |  | TEIKIN NO. |
|-------------------|-------------------|---------------------------------------------------------------|--------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|--|------------|
| 4TNE86            | 2091 cc<br>4 cyl. | <div>Ø 86.00<br/>-16.1</div> <div>CD 47.20<br/>TL 84.00</div> | 2 - 2.0<br><br>1 - 4.0               | <div>Ø 26.000<br/>TL 70.00</div> <div></div> |  |  |  |  |  |            |
|                   |                   |                                                               |                                      |                                                                                                                               |  |  |  |  |  |            |
|                   |                   |                                                               |                                      |                                                                                                                               |  |  |  |  |  |            |
|                   |                   |                                                               |                                      |                                                                                                                               |  |  |  |  |  |            |
|                   |                   | TEIKIN NO.                                                    |                                      | TEIKIN NO.                                                                                                                    |  |  |  |  |  |            |
|                   |                   | G1607                                                         |                                      | P 32139                                                                                                                       |  |  |  |  |  |            |
|                   |                   |                                                               |                                      |                                                                                                                               |  |  |  |  |  |            |
|                   |                   |                                                               |                                      |                                                                                                                               |  |  |  |  |  |            |
| REFERENCE NO.     |                   |                                                               |                                      |                                                                                                                               |  |  |  |  |  |            |
| 729486-22090      |                   |                                                               |                                      |                                                                                                                               |  |  |  |  |  |            |
| Surface Treatment |                   | Bore Clearance                                                |                                      |                                                                                                                               |  |  |  |  |  |            |
| None              |                   | MRC: 0.030 mm<br>MP: 20.00 mm                                 |                                      |                                                                                                                               |  |  |  |  |  |            |

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