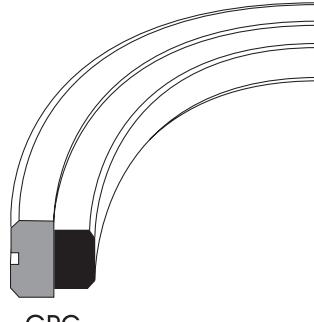
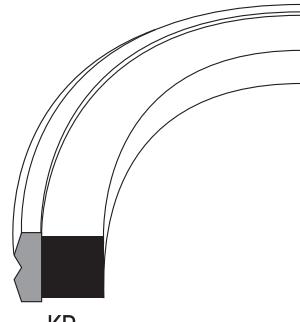


# Piston Sealing Set

## Piston Seals (Double Acting)

KR, GRC

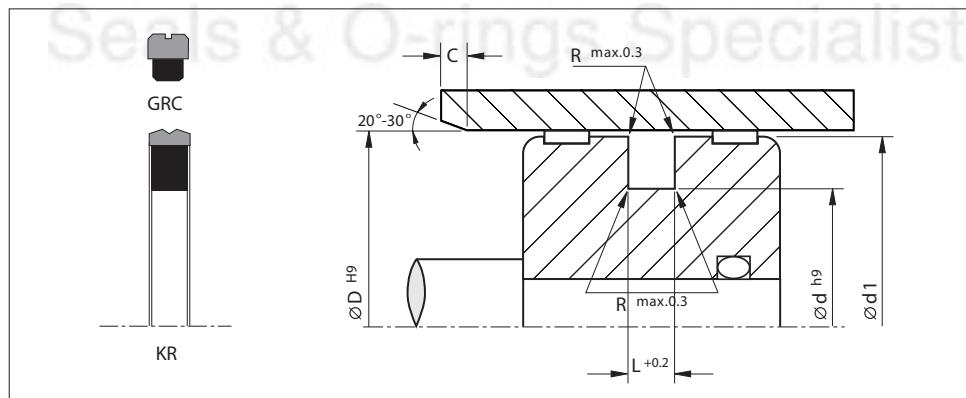
(Metric Size)



| Material | Pressure (Bar) | Temp. (°C)  | Speed (m/s) |
|----------|----------------|-------------|-------------|
| PU - NBR | 400            | -35<br>+110 | 0.5         |

- High wear resistance.
- Low friction.
- Stability of the sliding ring under rapid pressure changes guaranteed by the rectangular expander.
- High extrusion resistance.

### Installation Recommendation



| Surface roughness  | R <sub>a</sub>         | R <sub>t</sub>        | Chamfers   |
|--------------------|------------------------|-----------------------|--|
| Sliding surface    | $\leq 0.3 \mu\text{m}$ | $\leq 4 \mu\text{m}$  | D<br>< 60<br>60-120<br>120-180<br>180-250<br>250-400 |
| Surface of housing | $\leq 1.8 \mu\text{m}$ | $\leq 10 \mu\text{m}$ | C<br>4.0<br>5.0<br>6.5<br>7.5<br>9.0                 |
| Sides of housing   | $\leq 3.0 \mu\text{m}$ | $\leq 16 \mu\text{m}$ |  |

## Piston Sealing Set

(Metric Size)

| Bore Dia. | Groove Dia. | Groove Width | Piston Dia. | Prefix No. | Reference (For order processing) | Reference (For order processing) |
|-----------|-------------|--------------|-------------|------------|----------------------------------|----------------------------------|
|           |             |              |             |            |                                  | D                                |
| 16.0      | 8.5         | 3.2          | 15.7        | 0020       | KR 020-012.5-03.2                | GRC 016-008.5-03.2               |
|           | 11.0        | 2.2          | 15.7        |            |                                  | GRC 016-011-02.2                 |
|           | 10.5        | 3.2          | 17.7        |            |                                  | GRC 018-010.5-03.2               |
|           | 12.5        | 3.2          | 19.7        |            |                                  | GRC 020-012.5-03.2               |
|           | 15.0        | 2.2          | 19.7        |            |                                  | GRC 020-015-02.2                 |
| 25.0      | 17.5        | 3.2          | 24.7        | 0025       | KR 025-017.5-03.2                | GRC 025-017.5-03.2               |
|           | 14.0        | 4.2          | 24.7        | 0030       | KR 030-022.5-03.2                | GRC 025-014-04.2                 |
|           | 22.5        | 3.2          | 29.7        |            |                                  | GRC 030-022.5-03.2               |
|           | 24.5        | 3.2          | 31.7        |            |                                  | GRC 032-024.5-03.2               |
|           | 21.0        | 4.2          | 31.7        | 1032       | KR 032-021-04.2                  | GRC 032-021-04.2                 |
| 35.0      | 27.5        | 3.2          | 34.7        | 0035       | KR 035-027.5-03.2                | GRC 035-027.5-03.2               |
|           | 28.5        | 3.2          | 35.7        | 3040       | KR 040-032.5-03.2                | GRC 036-028.5-03.2               |
|           | 32.5        | 3.2          | 39.7        |            |                                  |                                  |
|           | 29.0        | 4.2          | 39.7        |            | KR 040-029-04.2                  | GRC 040-029-04.2                 |
|           | 24.5        | 6.3          | 39.6        | 1040       | KR 040-024.5-06.3                |                                  |
| 40.0      | 27.0        | 6.3          | 39.6        | 2040       | KR 040-027-06.3                  |                                  |
|           | 34.0        | 4.2          | 44.7        | 0045       | KR 045-034-04.2                  | GRC 045-034-04.2                 |
|           | 32.0        | 6.3          | 44.6        | 1045       | KR 045-032-06.3                  |                                  |
|           | 39.0        | 4.2          | 49.7        | 0050       | KR 050-039-04.2                  |                                  |
|           | 34.5        | 6.3          | 49.6        | 1050       | KR 050-034.5-06.3                | GRC 050-034.5-06.3               |
| 50.0      | 37.0        | 6.3          | 49.6        | 2050       | KR 050-037-06.3                  |                                  |
|           | 39.0        | 4.2          | 49.7        | 0055       | KR 055-044-04.2                  | GRC 050-039-04.2                 |
|           | 44.0        | 4.2          | 54.7        |            |                                  | GRC 055-044-04.2                 |
|           | 39.5        | 6.3          | 54.6        |            | KR 055-039.5-06.3                |                                  |
|           | 45.0        | 6.3          | 57.6        | 0058       | KR 058-045-06.3                  |                                  |
| 60.0      | 49.0        | 4.2          | 59.7        | 0060       | KR 060-049-04.2                  |                                  |
|           | 44.5        | 6.3          | 59.6        | 1060       | KR 060-044.5-06.3                | GRC 060-044.5-06.3               |
|           | 49.0        | 4.2          | 59.7        | 0063       | KR 063-052-04.2                  | GRC 060-049-04.2                 |
|           | 52.0        | 4.2          | 62.7        |            |                                  |                                  |
|           | 53.0        | 5.0          | 62.7        | 1063       | KR 063-053-05                    |                                  |
| 63.0      | 47.5        | 6.3          | 62.6        | 2063       | KR 063-047.5-06.3                | GRC 063-047.5-06.3               |
|           | 50.0        | 6.3          | 62.6        | 3063       | KR 063-050-06.3                  |                                  |
|           | 52.0        | 4.2          | 62.7        | 0065       | KR 065-052-06.3                  | GRC 063-052-04.2                 |
|           | 52.0        | 6.3          | 64.6        |            |                                  |                                  |
|           | 54.0        | 4.2          | 64.7        |            |                                  | GRC 065-054-04.2                 |
| 65.0      | 54.0        | 6.3          | 64.6        | 1065       | KR 065-054-06.3                  |                                  |
|           | 59.0        | 4.2          | 69.7        | 0070       | KR 070-059-04.2                  | GRC 070-059-04.2                 |
|           | 54.5        | 6.3          | 69.6        | 1070       | KR 070-054.5-06.3                |                                  |
|           | 57.0        | 6.3          | 69.6        | 2070       | KR 070-057-06.3                  |                                  |
|           | 64.0        | 4.2          | 74.7        | 1075       | KR 075-064-04.2                  | GRC 075-064-04.2                 |

# Piston Sealing Set

(Metric Size)

| Bore Dia. | Groove Dia. | Groove Width | Piston Dia. | Prefix No. | Reference (For order processing) | Reference (For order processing)  |   |   |   |    |      |      |     |      |      |                   |                    |      |      |     |      |      |                 |      |      |     |      |      |                 |      |      |     |      |      |                   |      |      |     |      |      |                   |      |      |     |      |      |                 |                  |      |      |      |      |      |                 |                    |      |      |     |      |  |  |      |      |     |      |      |                   |      |      |     |      |      |                   |                    |      |      |     |      |      |                 |                  |      |      |      |      |      |                 |                    |      |      |     |      |      |                   |       |      |     |      |      |                   |       |      |     |      |      |                   |                  |       |      |     |      |      |                 |       |      |     |       |      |                   |       |      |     |       |      |                   |       |      |     |       |      |                   |       |      |     |       |      |                 |                  |       |      |      |       |      |                 |                    |       |      |     |       |      |                 |       |      |     |       |  |  |       |       |     |       |      |                   |       |      |      |       |      |                 |       |       |     |       |      |                   |                    |       |       |     |       |      |                 |                  |       |       |      |       |      |                 |       |       |     |       |  |  |       |       |      |       |      |                 |                    |       |       |      |       |      |                 |       |       |     |       |      |                 |       |       |     |       |  |  |       |       |     |       |  |  |       |       |      |       |      |                 |                  |       |       |     |       |  |  |                  |       |       |     |       |  |  |                    |       |       |     |       |      |                 |                  |       |       |     |       |  |  |
|-----------|-------------|--------------|-------------|------------|----------------------------------|---|---|---|---|----|------|------|-----|------|------|-------------------|--------------------|------|------|-----|------|------|-----------------|------|------|-----|------|------|-----------------|------|------|-----|------|------|-------------------|------|------|-----|------|------|-------------------|------|------|-----|------|------|-----------------|------------------|------|------|------|------|------|-----------------|--------------------|------|------|-----|------|--|--|------|------|-----|------|------|-------------------|------|------|-----|------|------|-------------------|--------------------|------|------|-----|------|------|-----------------|------------------|------|------|------|------|------|-----------------|--------------------|------|------|-----|------|------|-------------------|-------|------|-----|------|------|-------------------|-------|------|-----|------|------|-------------------|------------------|-------|------|-----|------|------|-----------------|-------|------|-----|-------|------|-------------------|-------|------|-----|-------|------|-------------------|-------|------|-----|-------|------|-------------------|-------|------|-----|-------|------|-----------------|------------------|-------|------|------|-------|------|-----------------|--------------------|-------|------|-----|-------|------|-----------------|-------|------|-----|-------|--|--|-------|-------|-----|-------|------|-------------------|-------|------|------|-------|------|-----------------|-------|-------|-----|-------|------|-------------------|--------------------|-------|-------|-----|-------|------|-----------------|------------------|-------|-------|------|-------|------|-----------------|-------|-------|-----|-------|--|--|-------|-------|------|-------|------|-----------------|--------------------|-------|-------|------|-------|------|-----------------|-------|-------|-----|-------|------|-----------------|-------|-------|-----|-------|--|--|-------|-------|-----|-------|--|--|-------|-------|------|-------|------|-----------------|------------------|-------|-------|-----|-------|--|--|------------------|-------|-------|-----|-------|--|--|--------------------|-------|-------|-----|-------|------|-----------------|------------------|-------|-------|-----|-------|--|--|
|           |             |              |             |            |                                  | <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>D</th><th>d</th><th>L</th><th>D1</th></tr> </thead> <tbody> <tr><td>75.0</td><td>59.5</td><td>6.3</td><td>74.6</td><td>0075</td><td>KR 075-059.5-06.3</td><td rowspan="5">GRC 080-064.5-06.3</td></tr> <tr><td>75.0</td><td>62.0</td><td>6.3</td><td>74.6</td><td>2075</td><td>KR 075-062-06.3</td></tr> <tr><td>80.0</td><td>69.0</td><td>4.2</td><td>79.7</td><td>4080</td><td>KR 080-069-04.2</td></tr> <tr><td>80.0</td><td>64.5</td><td>6.3</td><td>79.6</td><td>0080</td><td>KR 080-064.5-06.3</td></tr> <tr><td>80.0</td><td>66.5</td><td>6.3</td><td>79.6</td><td>1080</td><td>KR 080-066.5-06.3</td></tr> <tr><td>80.0</td><td>59.0</td><td>8.1</td><td>79.5</td><td>2080</td><td>KR 080-059-08.1</td><td>GRC 080-059-08.1</td></tr> <tr><td>80.0</td><td>59.0</td><td>10.5</td><td>79.5</td><td>3080</td><td>KR 080-059-10.5</td><td rowspan="3">GRC 085-069.5-06.3</td></tr> <tr><td>85.0</td><td>69.5</td><td>6.3</td><td>84.6</td><td></td><td></td></tr> <tr><td>85.0</td><td>71.5</td><td>6.3</td><td>84.6</td><td>0085</td><td>KR 085-071.5-06.3</td></tr> <tr><td>90.0</td><td>74.5</td><td>6.3</td><td>89.6</td><td>0090</td><td>KR 090-074.5-06.3</td><td>GRC 090-074.5-06.3</td></tr> <tr><td>90.0</td><td>69.0</td><td>8.1</td><td>89.5</td><td>1090</td><td>KR 090-069-08.1</td><td>GRC 090-069-08.1</td></tr> <tr><td>90.0</td><td>69.0</td><td>10.5</td><td>89.5</td><td>2090</td><td>KR 090-069-10.5</td><td rowspan="3">GRC 095-079.5-06.3</td></tr> <tr><td>95.0</td><td>79.5</td><td>6.3</td><td>94.6</td><td>0095</td><td>KR 095-079.5-06.3</td></tr> <tr><td>100.0</td><td>84.5</td><td>6.3</td><td>99.6</td><td>0100</td><td>KR 100-084.5-06.3</td></tr> <tr><td>100.0</td><td>86.5</td><td>6.3</td><td>99.6</td><td>1100</td><td>KR 100-086.5-06.3</td><td rowspan="5">GRC 100-079-08.1</td></tr> <tr><td>100.0</td><td>79.0</td><td>8.1</td><td>99.5</td><td>2100</td><td>KR 100-079-08.1</td></tr> <tr><td>105.0</td><td>84.5</td><td>6.3</td><td>104.6</td><td>2105</td><td>KR 105-084.5-06.3</td></tr> <tr><td>105.0</td><td>89.5</td><td>6.3</td><td>104.6</td><td>0105</td><td>KR 105-089.5-06.3</td></tr> <tr><td>110.0</td><td>94.5</td><td>6.3</td><td>109.6</td><td>0110</td><td>KR 110-094.5-06.3</td></tr> <tr><td>110.0</td><td>89.0</td><td>8.1</td><td>109.5</td><td>1110</td><td>KR 110-089-08.1</td><td>GRC 110-089-08.1</td></tr> <tr><td>110.0</td><td>89.0</td><td>10.5</td><td>109.5</td><td>2110</td><td>KR 110-089-10.5</td><td rowspan="5">GRC 115-099.5-06.3</td></tr> <tr><td>115.0</td><td>94.0</td><td>8.1</td><td>114.5</td><td>0115</td><td>KR 115-094-08.1</td></tr> <tr><td>115.0</td><td>99.5</td><td>6.3</td><td>114.6</td><td></td><td></td></tr> <tr><td>120.0</td><td>104.5</td><td>6.3</td><td>119.6</td><td>0120</td><td>KR 120-104.5-06.3</td></tr> <tr><td>120.0</td><td>99.0</td><td>10.5</td><td>119.5</td><td>1120</td><td>KR 120-099-10.5</td></tr> <tr><td>125.0</td><td>109.5</td><td>6.3</td><td>124.6</td><td>0125</td><td>KR 125-109.5-06.3</td><td>GRC 125-109.5-06.3</td></tr> <tr><td>125.0</td><td>104.0</td><td>8.1</td><td>124.5</td><td>1125</td><td>KR 125-104-08.1</td><td rowspan="3">GRC 125-104-08.1</td></tr> <tr><td>125.0</td><td>104.0</td><td>10.5</td><td>124.5</td><td>2125</td><td>KR 125-104-10.5</td></tr> <tr><td>130.0</td><td>114.5</td><td>6.3</td><td>129.6</td><td></td><td></td></tr> <tr><td>140.0</td><td>119.0</td><td>10.5</td><td>139.5</td><td>0140</td><td>KR 140-119-10.5</td><td rowspan="5">GRC 130-114.5-06.3</td></tr> <tr><td>140.0</td><td>119.0</td><td>12.5</td><td>139.5</td><td>1140</td><td>KR 140-119-12.5</td></tr> <tr><td>140.0</td><td>119.0</td><td>8.1</td><td>139.5</td><td>2140</td><td>KR 140-119-08.1</td></tr> <tr><td>145.0</td><td>124.0</td><td>8.1</td><td>144.5</td><td></td><td></td></tr> <tr><td>150.0</td><td>129.0</td><td>8.1</td><td>149.5</td><td></td><td></td></tr> <tr><td>150.0</td><td>129.0</td><td>10.5</td><td>149.5</td><td>0150</td><td>KR 150-129-10.5</td><td>GRC 145-124-08.1</td></tr> <tr><td>155.0</td><td>134.0</td><td>8.1</td><td>154.5</td><td></td><td></td><td>GRC 155-134-08.1</td></tr> <tr><td>160.0</td><td>144.5</td><td>6.3</td><td>159.5</td><td></td><td></td><td>GRC 160-144.5-06.3</td></tr> <tr><td>160.0</td><td>139.0</td><td>8.1</td><td>159.5</td><td>0160</td><td>KR 160-139-08.1</td><td rowspan="3">GRC 160-139-08.1</td></tr> <tr><td>170.0</td><td>149.0</td><td>8.1</td><td>169.5</td><td></td><td></td></tr> <tr><td>180.0</td><td>159.0</td><td>8.1</td><td>179.5</td><td>0180</td><td>KR 180-159-08.1</td></tr> </tbody></table> | D | d | L | D1 | 75.0 | 59.5 | 6.3 | 74.6 | 0075 | KR 075-059.5-06.3 | GRC 080-064.5-06.3 | 75.0 | 62.0 | 6.3 | 74.6 | 2075 | KR 075-062-06.3 | 80.0 | 69.0 | 4.2 | 79.7 | 4080 | KR 080-069-04.2 | 80.0 | 64.5 | 6.3 | 79.6 | 0080 | KR 080-064.5-06.3 | 80.0 | 66.5 | 6.3 | 79.6 | 1080 | KR 080-066.5-06.3 | 80.0 | 59.0 | 8.1 | 79.5 | 2080 | KR 080-059-08.1 | GRC 080-059-08.1 | 80.0 | 59.0 | 10.5 | 79.5 | 3080 | KR 080-059-10.5 | GRC 085-069.5-06.3 | 85.0 | 69.5 | 6.3 | 84.6 |  |  | 85.0 | 71.5 | 6.3 | 84.6 | 0085 | KR 085-071.5-06.3 | 90.0 | 74.5 | 6.3 | 89.6 | 0090 | KR 090-074.5-06.3 | GRC 090-074.5-06.3 | 90.0 | 69.0 | 8.1 | 89.5 | 1090 | KR 090-069-08.1 | GRC 090-069-08.1 | 90.0 | 69.0 | 10.5 | 89.5 | 2090 | KR 090-069-10.5 | GRC 095-079.5-06.3 | 95.0 | 79.5 | 6.3 | 94.6 | 0095 | KR 095-079.5-06.3 | 100.0 | 84.5 | 6.3 | 99.6 | 0100 | KR 100-084.5-06.3 | 100.0 | 86.5 | 6.3 | 99.6 | 1100 | KR 100-086.5-06.3 | GRC 100-079-08.1 | 100.0 | 79.0 | 8.1 | 99.5 | 2100 | KR 100-079-08.1 | 105.0 | 84.5 | 6.3 | 104.6 | 2105 | KR 105-084.5-06.3 | 105.0 | 89.5 | 6.3 | 104.6 | 0105 | KR 105-089.5-06.3 | 110.0 | 94.5 | 6.3 | 109.6 | 0110 | KR 110-094.5-06.3 | 110.0 | 89.0 | 8.1 | 109.5 | 1110 | KR 110-089-08.1 | GRC 110-089-08.1 | 110.0 | 89.0 | 10.5 | 109.5 | 2110 | KR 110-089-10.5 | GRC 115-099.5-06.3 | 115.0 | 94.0 | 8.1 | 114.5 | 0115 | KR 115-094-08.1 | 115.0 | 99.5 | 6.3 | 114.6 |  |  | 120.0 | 104.5 | 6.3 | 119.6 | 0120 | KR 120-104.5-06.3 | 120.0 | 99.0 | 10.5 | 119.5 | 1120 | KR 120-099-10.5 | 125.0 | 109.5 | 6.3 | 124.6 | 0125 | KR 125-109.5-06.3 | GRC 125-109.5-06.3 | 125.0 | 104.0 | 8.1 | 124.5 | 1125 | KR 125-104-08.1 | GRC 125-104-08.1 | 125.0 | 104.0 | 10.5 | 124.5 | 2125 | KR 125-104-10.5 | 130.0 | 114.5 | 6.3 | 129.6 |  |  | 140.0 | 119.0 | 10.5 | 139.5 | 0140 | KR 140-119-10.5 | GRC 130-114.5-06.3 | 140.0 | 119.0 | 12.5 | 139.5 | 1140 | KR 140-119-12.5 | 140.0 | 119.0 | 8.1 | 139.5 | 2140 | KR 140-119-08.1 | 145.0 | 124.0 | 8.1 | 144.5 |  |  | 150.0 | 129.0 | 8.1 | 149.5 |  |  | 150.0 | 129.0 | 10.5 | 149.5 | 0150 | KR 150-129-10.5 | GRC 145-124-08.1 | 155.0 | 134.0 | 8.1 | 154.5 |  |  | GRC 155-134-08.1 | 160.0 | 144.5 | 6.3 | 159.5 |  |  | GRC 160-144.5-06.3 | 160.0 | 139.0 | 8.1 | 159.5 | 0160 | KR 160-139-08.1 | GRC 160-139-08.1 | 170.0 | 149.0 | 8.1 | 169.5 |  |  |
| D         | d           | L            | D1          |            |                                  |   |   |   |   |    |      |      |     |      |      |                   |                    |      |      |     |      |      |                 |      |      |     |      |      |                 |      |      |     |      |      |                   |      |      |     |      |      |                   |      |      |     |      |      |                 |                  |      |      |      |      |      |                 |                    |      |      |     |      |  |  |      |      |     |      |      |                   |      |      |     |      |      |                   |                    |      |      |     |      |      |                 |                  |      |      |      |      |      |                 |                    |      |      |     |      |      |                   |       |      |     |      |      |                   |       |      |     |      |      |                   |                  |       |      |     |      |      |                 |       |      |     |       |      |                   |       |      |     |       |      |                   |       |      |     |       |      |                   |       |      |     |       |      |                 |                  |       |      |      |       |      |                 |                    |       |      |     |       |      |                 |       |      |     |       |  |  |       |       |     |       |      |                   |       |      |      |       |      |                 |       |       |     |       |      |                   |                    |       |       |     |       |      |                 |                  |       |       |      |       |      |                 |       |       |     |       |  |  |       |       |      |       |      |                 |                    |       |       |      |       |      |                 |       |       |     |       |      |                 |       |       |     |       |  |  |       |       |     |       |  |  |       |       |      |       |      |                 |                  |       |       |     |       |  |  |                  |       |       |     |       |  |  |                    |       |       |     |       |      |                 |                  |       |       |     |       |  |  |
| 75.0      | 59.5        | 6.3          | 74.6        | 0075       | KR 075-059.5-06.3                | GRC 080-064.5-06.3  |   |   |   |    |      |      |     |      |      |                   |                    |      |      |     |      |      |                 |      |      |     |      |      |                 |      |      |     |      |      |                   |      |      |     |      |      |                   |      |      |     |      |      |                 |                  |      |      |      |      |      |                 |                    |      |      |     |      |  |  |      |      |     |      |      |                   |      |      |     |      |      |                   |                    |      |      |     |      |      |                 |                  |      |      |      |      |      |                 |                    |      |      |     |      |      |                   |       |      |     |      |      |                   |       |      |     |      |      |                   |                  |       |      |     |      |      |                 |       |      |     |       |      |                   |       |      |     |       |      |                   |       |      |     |       |      |                   |       |      |     |       |      |                 |                  |       |      |      |       |      |                 |                    |       |      |     |       |      |                 |       |      |     |       |  |  |       |       |     |       |      |                   |       |      |      |       |      |                 |       |       |     |       |      |                   |                    |       |       |     |       |      |                 |                  |       |       |      |       |      |                 |       |       |     |       |  |  |       |       |      |       |      |                 |                    |       |       |      |       |      |                 |       |       |     |       |      |                 |       |       |     |       |  |  |       |       |     |       |  |  |       |       |      |       |      |                 |                  |       |       |     |       |  |  |                  |       |       |     |       |  |  |                    |       |       |     |       |      |                 |                  |       |       |     |       |  |  |
| 75.0      | 62.0        | 6.3          | 74.6        | 2075       | KR 075-062-06.3                  |   |   |   |   |    |      |      |     |      |      |                   |                    |      |      |     |      |      |                 |      |      |     |      |      |                 |      |      |     |      |      |                   |      |      |     |      |      |                   |      |      |     |      |      |                 |                  |      |      |      |      |      |                 |                    |      |      |     |      |  |  |      |      |     |      |      |                   |      |      |     |      |      |                   |                    |      |      |     |      |      |                 |                  |      |      |      |      |      |                 |                    |      |      |     |      |      |                   |       |      |     |      |      |                   |       |      |     |      |      |                   |                  |       |      |     |      |      |                 |       |      |     |       |      |                   |       |      |     |       |      |                   |       |      |     |       |      |                   |       |      |     |       |      |                 |                  |       |      |      |       |      |                 |                    |       |      |     |       |      |                 |       |      |     |       |  |  |       |       |     |       |      |                   |       |      |      |       |      |                 |       |       |     |       |      |                   |                    |       |       |     |       |      |                 |                  |       |       |      |       |      |                 |       |       |     |       |  |  |       |       |      |       |      |                 |                    |       |       |      |       |      |                 |       |       |     |       |      |                 |       |       |     |       |  |  |       |       |     |       |  |  |       |       |      |       |      |                 |                  |       |       |     |       |  |  |                  |       |       |     |       |  |  |                    |       |       |     |       |      |                 |                  |       |       |     |       |  |  |
| 80.0      | 69.0        | 4.2          | 79.7        | 4080       | KR 080-069-04.2                  |   |   |   |   |    |      |      |     |      |      |                   |                    |      |      |     |      |      |                 |      |      |     |      |      |                 |      |      |     |      |      |                   |      |      |     |      |      |                   |      |      |     |      |      |                 |                  |      |      |      |      |      |                 |                    |      |      |     |      |  |  |      |      |     |      |      |                   |      |      |     |      |      |                   |                    |      |      |     |      |      |                 |                  |      |      |      |      |      |                 |                    |      |      |     |      |      |                   |       |      |     |      |      |                   |       |      |     |      |      |                   |                  |       |      |     |      |      |                 |       |      |     |       |      |                   |       |      |     |       |      |                   |       |      |     |       |      |                   |       |      |     |       |      |                 |                  |       |      |      |       |      |                 |                    |       |      |     |       |      |                 |       |      |     |       |  |  |       |       |     |       |      |                   |       |      |      |       |      |                 |       |       |     |       |      |                   |                    |       |       |     |       |      |                 |                  |       |       |      |       |      |                 |       |       |     |       |  |  |       |       |      |       |      |                 |                    |       |       |      |       |      |                 |       |       |     |       |      |                 |       |       |     |       |  |  |       |       |     |       |  |  |       |       |      |       |      |                 |                  |       |       |     |       |  |  |                  |       |       |     |       |  |  |                    |       |       |     |       |      |                 |                  |       |       |     |       |  |  |
| 80.0      | 64.5        | 6.3          | 79.6        | 0080       | KR 080-064.5-06.3                |   |   |   |   |    |      |      |     |      |      |                   |                    |      |      |     |      |      |                 |      |      |     |      |      |                 |      |      |     |      |      |                   |      |      |     |      |      |                   |      |      |     |      |      |                 |                  |      |      |      |      |      |                 |                    |      |      |     |      |  |  |      |      |     |      |      |                   |      |      |     |      |      |                   |                    |      |      |     |      |      |                 |                  |      |      |      |      |      |                 |                    |      |      |     |      |      |                   |       |      |     |      |      |                   |       |      |     |      |      |                   |                  |       |      |     |      |      |                 |       |      |     |       |      |                   |       |      |     |       |      |                   |       |      |     |       |      |                   |       |      |     |       |      |                 |                  |       |      |      |       |      |                 |                    |       |      |     |       |      |                 |       |      |     |       |  |  |       |       |     |       |      |                   |       |      |      |       |      |                 |       |       |     |       |      |                   |                    |       |       |     |       |      |                 |                  |       |       |      |       |      |                 |       |       |     |       |  |  |       |       |      |       |      |                 |                    |       |       |      |       |      |                 |       |       |     |       |      |                 |       |       |     |       |  |  |       |       |     |       |  |  |       |       |      |       |      |                 |                  |       |       |     |       |  |  |                  |       |       |     |       |  |  |                    |       |       |     |       |      |                 |                  |       |       |     |       |  |  |
| 80.0      | 66.5        | 6.3          | 79.6        | 1080       | KR 080-066.5-06.3                |   |   |   |   |    |      |      |     |      |      |                   |                    |      |      |     |      |      |                 |      |      |     |      |      |                 |      |      |     |      |      |                   |      |      |     |      |      |                   |      |      |     |      |      |                 |                  |      |      |      |      |      |                 |                    |      |      |     |      |  |  |      |      |     |      |      |                   |      |      |     |      |      |                   |                    |      |      |     |      |      |                 |                  |      |      |      |      |      |                 |                    |      |      |     |      |      |                   |       |      |     |      |      |                   |       |      |     |      |      |                   |                  |       |      |     |      |      |                 |       |      |     |       |      |                   |       |      |     |       |      |                   |       |      |     |       |      |                   |       |      |     |       |      |                 |                  |       |      |      |       |      |                 |                    |       |      |     |       |      |                 |       |      |     |       |  |  |       |       |     |       |      |                   |       |      |      |       |      |                 |       |       |     |       |      |                   |                    |       |       |     |       |      |                 |                  |       |       |      |       |      |                 |       |       |     |       |  |  |       |       |      |       |      |                 |                    |       |       |      |       |      |                 |       |       |     |       |      |                 |       |       |     |       |  |  |       |       |     |       |  |  |       |       |      |       |      |                 |                  |       |       |     |       |  |  |                  |       |       |     |       |  |  |                    |       |       |     |       |      |                 |                  |       |       |     |       |  |  |
| 80.0      | 59.0        | 8.1          | 79.5        | 2080       | KR 080-059-08.1                  | GRC 080-059-08.1  |   |   |   |    |      |      |     |      |      |                   |                    |      |      |     |      |      |                 |      |      |     |      |      |                 |      |      |     |      |      |                   |      |      |     |      |      |                   |      |      |     |      |      |                 |                  |      |      |      |      |      |                 |                    |      |      |     |      |  |  |      |      |     |      |      |                   |      |      |     |      |      |                   |                    |      |      |     |      |      |                 |                  |      |      |      |      |      |                 |                    |      |      |     |      |      |                   |       |      |     |      |      |                   |       |      |     |      |      |                   |                  |       |      |     |      |      |                 |       |      |     |       |      |                   |       |      |     |       |      |                   |       |      |     |       |      |                   |       |      |     |       |      |                 |                  |       |      |      |       |      |                 |                    |       |      |     |       |      |                 |       |      |     |       |  |  |       |       |     |       |      |                   |       |      |      |       |      |                 |       |       |     |       |      |                   |                    |       |       |     |       |      |                 |                  |       |       |      |       |      |                 |       |       |     |       |  |  |       |       |      |       |      |                 |                    |       |       |      |       |      |                 |       |       |     |       |      |                 |       |       |     |       |  |  |       |       |     |       |  |  |       |       |      |       |      |                 |                  |       |       |     |       |  |  |                  |       |       |     |       |  |  |                    |       |       |     |       |      |                 |                  |       |       |     |       |  |  |
| 80.0      | 59.0        | 10.5         | 79.5        | 3080       | KR 080-059-10.5                  | GRC 085-069.5-06.3  |   |   |   |    |      |      |     |      |      |                   |                    |      |      |     |      |      |                 |      |      |     |      |      |                 |      |      |     |      |      |                   |      |      |     |      |      |                   |      |      |     |      |      |                 |                  |      |      |      |      |      |                 |                    |      |      |     |      |  |  |      |      |     |      |      |                   |      |      |     |      |      |                   |                    |      |      |     |      |      |                 |                  |      |      |      |      |      |                 |                    |      |      |     |      |      |                   |       |      |     |      |      |                   |       |      |     |      |      |                   |                  |       |      |     |      |      |                 |       |      |     |       |      |                   |       |      |     |       |      |                   |       |      |     |       |      |                   |       |      |     |       |      |                 |                  |       |      |      |       |      |                 |                    |       |      |     |       |      |                 |       |      |     |       |  |  |       |       |     |       |      |                   |       |      |      |       |      |                 |       |       |     |       |      |                   |                    |       |       |     |       |      |                 |                  |       |       |      |       |      |                 |       |       |     |       |  |  |       |       |      |       |      |                 |                    |       |       |      |       |      |                 |       |       |     |       |      |                 |       |       |     |       |  |  |       |       |     |       |  |  |       |       |      |       |      |                 |                  |       |       |     |       |  |  |                  |       |       |     |       |  |  |                    |       |       |     |       |      |                 |                  |       |       |     |       |  |  |
| 85.0      | 69.5        | 6.3          | 84.6        |            |                                  |   |   |   |   |    |      |      |     |      |      |                   |                    |      |      |     |      |      |                 |      |      |     |      |      |                 |      |      |     |      |      |                   |      |      |     |      |      |                   |      |      |     |      |      |                 |                  |      |      |      |      |      |                 |                    |      |      |     |      |  |  |      |      |     |      |      |                   |      |      |     |      |      |                   |                    |      |      |     |      |      |                 |                  |      |      |      |      |      |                 |                    |      |      |     |      |      |                   |       |      |     |      |      |                   |       |      |     |      |      |                   |                  |       |      |     |      |      |                 |       |      |     |       |      |                   |       |      |     |       |      |                   |       |      |     |       |      |                   |       |      |     |       |      |                 |                  |       |      |      |       |      |                 |                    |       |      |     |       |      |                 |       |      |     |       |  |  |       |       |     |       |      |                   |       |      |      |       |      |                 |       |       |     |       |      |                   |                    |       |       |     |       |      |                 |                  |       |       |      |       |      |                 |       |       |     |       |  |  |       |       |      |       |      |                 |                    |       |       |      |       |      |                 |       |       |     |       |      |                 |       |       |     |       |  |  |       |       |     |       |  |  |       |       |      |       |      |                 |                  |       |       |     |       |  |  |                  |       |       |     |       |  |  |                    |       |       |     |       |      |                 |                  |       |       |     |       |  |  |
| 85.0      | 71.5        | 6.3          | 84.6        | 0085       | KR 085-071.5-06.3                |   |   |   |   |    |      |      |     |      |      |                   |                    |      |      |     |      |      |                 |      |      |     |      |      |                 |      |      |     |      |      |                   |      |      |     |      |      |                   |      |      |     |      |      |                 |                  |      |      |      |      |      |                 |                    |      |      |     |      |  |  |      |      |     |      |      |                   |      |      |     |      |      |                   |                    |      |      |     |      |      |                 |                  |      |      |      |      |      |                 |                    |      |      |     |      |      |                   |       |      |     |      |      |                   |       |      |     |      |      |                   |                  |       |      |     |      |      |                 |       |      |     |       |      |                   |       |      |     |       |      |                   |       |      |     |       |      |                   |       |      |     |       |      |                 |                  |       |      |      |       |      |                 |                    |       |      |     |       |      |                 |       |      |     |       |  |  |       |       |     |       |      |                   |       |      |      |       |      |                 |       |       |     |       |      |                   |                    |       |       |     |       |      |                 |                  |       |       |      |       |      |                 |       |       |     |       |  |  |       |       |      |       |      |                 |                    |       |       |      |       |      |                 |       |       |     |       |      |                 |       |       |     |       |  |  |       |       |     |       |  |  |       |       |      |       |      |                 |                  |       |       |     |       |  |  |                  |       |       |     |       |  |  |                    |       |       |     |       |      |                 |                  |       |       |     |       |  |  |
| 90.0      | 74.5        | 6.3          | 89.6        | 0090       | KR 090-074.5-06.3                | GRC 090-074.5-06.3  |   |   |   |    |      |      |     |      |      |                   |                    |      |      |     |      |      |                 |      |      |     |      |      |                 |      |      |     |      |      |                   |      |      |     |      |      |                   |      |      |     |      |      |                 |                  |      |      |      |      |      |                 |                    |      |      |     |      |  |  |      |      |     |      |      |                   |      |      |     |      |      |                   |                    |      |      |     |      |      |                 |                  |      |      |      |      |      |                 |                    |      |      |     |      |      |                   |       |      |     |      |      |                   |       |      |     |      |      |                   |                  |       |      |     |      |      |                 |       |      |     |       |      |                   |       |      |     |       |      |                   |       |      |     |       |      |                   |       |      |     |       |      |                 |                  |       |      |      |       |      |                 |                    |       |      |     |       |      |                 |       |      |     |       |  |  |       |       |     |       |      |                   |       |      |      |       |      |                 |       |       |     |       |      |                   |                    |       |       |     |       |      |                 |                  |       |       |      |       |      |                 |       |       |     |       |  |  |       |       |      |       |      |                 |                    |       |       |      |       |      |                 |       |       |     |       |      |                 |       |       |     |       |  |  |       |       |     |       |  |  |       |       |      |       |      |                 |                  |       |       |     |       |  |  |                  |       |       |     |       |  |  |                    |       |       |     |       |      |                 |                  |       |       |     |       |  |  |
| 90.0      | 69.0        | 8.1          | 89.5        | 1090       | KR 090-069-08.1                  | GRC 090-069-08.1  |   |   |   |    |      |      |     |      |      |                   |                    |      |      |     |      |      |                 |      |      |     |      |      |                 |      |      |     |      |      |                   |      |      |     |      |      |                   |      |      |     |      |      |                 |                  |      |      |      |      |      |                 |                    |      |      |     |      |  |  |      |      |     |      |      |                   |      |      |     |      |      |                   |                    |      |      |     |      |      |                 |                  |      |      |      |      |      |                 |                    |      |      |     |      |      |                   |       |      |     |      |      |                   |       |      |     |      |      |                   |                  |       |      |     |      |      |                 |       |      |     |       |      |                   |       |      |     |       |      |                   |       |      |     |       |      |                   |       |      |     |       |      |                 |                  |       |      |      |       |      |                 |                    |       |      |     |       |      |                 |       |      |     |       |  |  |       |       |     |       |      |                   |       |      |      |       |      |                 |       |       |     |       |      |                   |                    |       |       |     |       |      |                 |                  |       |       |      |       |      |                 |       |       |     |       |  |  |       |       |      |       |      |                 |                    |       |       |      |       |      |                 |       |       |     |       |      |                 |       |       |     |       |  |  |       |       |     |       |  |  |       |       |      |       |      |                 |                  |       |       |     |       |  |  |                  |       |       |     |       |  |  |                    |       |       |     |       |      |                 |                  |       |       |     |       |  |  |
| 90.0      | 69.0        | 10.5         | 89.5        | 2090       | KR 090-069-10.5                  | GRC 095-079.5-06.3  |   |   |   |    |      |      |     |      |      |                   |                    |      |      |     |      |      |                 |      |      |     |      |      |                 |      |      |     |      |      |                   |      |      |     |      |      |                   |      |      |     |      |      |                 |                  |      |      |      |      |      |                 |                    |      |      |     |      |  |  |      |      |     |      |      |                   |      |      |     |      |      |                   |                    |      |      |     |      |      |                 |                  |      |      |      |      |      |                 |                    |      |      |     |      |      |                   |       |      |     |      |      |                   |       |      |     |      |      |                   |                  |       |      |     |      |      |                 |       |      |     |       |      |                   |       |      |     |       |      |                   |       |      |     |       |      |                   |       |      |     |       |      |                 |                  |       |      |      |       |      |                 |                    |       |      |     |       |      |                 |       |      |     |       |  |  |       |       |     |       |      |                   |       |      |      |       |      |                 |       |       |     |       |      |                   |                    |       |       |     |       |      |                 |                  |       |       |      |       |      |                 |       |       |     |       |  |  |       |       |      |       |      |                 |                    |       |       |      |       |      |                 |       |       |     |       |      |                 |       |       |     |       |  |  |       |       |     |       |  |  |       |       |      |       |      |                 |                  |       |       |     |       |  |  |                  |       |       |     |       |  |  |                    |       |       |     |       |      |                 |                  |       |       |     |       |  |  |
| 95.0      | 79.5        | 6.3          | 94.6        | 0095       | KR 095-079.5-06.3                |   |   |   |   |    |      |      |     |      |      |                   |                    |      |      |     |      |      |                 |      |      |     |      |      |                 |      |      |     |      |      |                   |      |      |     |      |      |                   |      |      |     |      |      |                 |                  |      |      |      |      |      |                 |                    |      |      |     |      |  |  |      |      |     |      |      |                   |      |      |     |      |      |                   |                    |      |      |     |      |      |                 |                  |      |      |      |      |      |                 |                    |      |      |     |      |      |                   |       |      |     |      |      |                   |       |      |     |      |      |                   |                  |       |      |     |      |      |                 |       |      |     |       |      |                   |       |      |     |       |      |                   |       |      |     |       |      |                   |       |      |     |       |      |                 |                  |       |      |      |       |      |                 |                    |       |      |     |       |      |                 |       |      |     |       |  |  |       |       |     |       |      |                   |       |      |      |       |      |                 |       |       |     |       |      |                   |                    |       |       |     |       |      |                 |                  |       |       |      |       |      |                 |       |       |     |       |  |  |       |       |      |       |      |                 |                    |       |       |      |       |      |                 |       |       |     |       |      |                 |       |       |     |       |  |  |       |       |     |       |  |  |       |       |      |       |      |                 |                  |       |       |     |       |  |  |                  |       |       |     |       |  |  |                    |       |       |     |       |      |                 |                  |       |       |     |       |  |  |
| 100.0     | 84.5        | 6.3          | 99.6        | 0100       | KR 100-084.5-06.3                |   |   |   |   |    |      |      |     |      |      |                   |                    |      |      |     |      |      |                 |      |      |     |      |      |                 |      |      |     |      |      |                   |      |      |     |      |      |                   |      |      |     |      |      |                 |                  |      |      |      |      |      |                 |                    |      |      |     |      |  |  |      |      |     |      |      |                   |      |      |     |      |      |                   |                    |      |      |     |      |      |                 |                  |      |      |      |      |      |                 |                    |      |      |     |      |      |                   |       |      |     |      |      |                   |       |      |     |      |      |                   |                  |       |      |     |      |      |                 |       |      |     |       |      |                   |       |      |     |       |      |                   |       |      |     |       |      |                   |       |      |     |       |      |                 |                  |       |      |      |       |      |                 |                    |       |      |     |       |      |                 |       |      |     |       |  |  |       |       |     |       |      |                   |       |      |      |       |      |                 |       |       |     |       |      |                   |                    |       |       |     |       |      |                 |                  |       |       |      |       |      |                 |       |       |     |       |  |  |       |       |      |       |      |                 |                    |       |       |      |       |      |                 |       |       |     |       |      |                 |       |       |     |       |  |  |       |       |     |       |  |  |       |       |      |       |      |                 |                  |       |       |     |       |  |  |                  |       |       |     |       |  |  |                    |       |       |     |       |      |                 |                  |       |       |     |       |  |  |
| 100.0     | 86.5        | 6.3          | 99.6        | 1100       | KR 100-086.5-06.3                | GRC 100-079-08.1  |   |   |   |    |      |      |     |      |      |                   |                    |      |      |     |      |      |                 |      |      |     |      |      |                 |      |      |     |      |      |                   |      |      |     |      |      |                   |      |      |     |      |      |                 |                  |      |      |      |      |      |                 |                    |      |      |     |      |  |  |      |      |     |      |      |                   |      |      |     |      |      |                   |                    |      |      |     |      |      |                 |                  |      |      |      |      |      |                 |                    |      |      |     |      |      |                   |       |      |     |      |      |                   |       |      |     |      |      |                   |                  |       |      |     |      |      |                 |       |      |     |       |      |                   |       |      |     |       |      |                   |       |      |     |       |      |                   |       |      |     |       |      |                 |                  |       |      |      |       |      |                 |                    |       |      |     |       |      |                 |       |      |     |       |  |  |       |       |     |       |      |                   |       |      |      |       |      |                 |       |       |     |       |      |                   |                    |       |       |     |       |      |                 |                  |       |       |      |       |      |                 |       |       |     |       |  |  |       |       |      |       |      |                 |                    |       |       |      |       |      |                 |       |       |     |       |      |                 |       |       |     |       |  |  |       |       |     |       |  |  |       |       |      |       |      |                 |                  |       |       |     |       |  |  |                  |       |       |     |       |  |  |                    |       |       |     |       |      |                 |                  |       |       |     |       |  |  |
| 100.0     | 79.0        | 8.1          | 99.5        | 2100       | KR 100-079-08.1                  |   |   |   |   |    |      |      |     |      |      |                   |                    |      |      |     |      |      |                 |      |      |     |      |      |                 |      |      |     |      |      |                   |      |      |     |      |      |                   |      |      |     |      |      |                 |                  |      |      |      |      |      |                 |                    |      |      |     |      |  |  |      |      |     |      |      |                   |      |      |     |      |      |                   |                    |      |      |     |      |      |                 |                  |      |      |      |      |      |                 |                    |      |      |     |      |      |                   |       |      |     |      |      |                   |       |      |     |      |      |                   |                  |       |      |     |      |      |                 |       |      |     |       |      |                   |       |      |     |       |      |                   |       |      |     |       |      |                   |       |      |     |       |      |                 |                  |       |      |      |       |      |                 |                    |       |      |     |       |      |                 |       |      |     |       |  |  |       |       |     |       |      |                   |       |      |      |       |      |                 |       |       |     |       |      |                   |                    |       |       |     |       |      |                 |                  |       |       |      |       |      |                 |       |       |     |       |  |  |       |       |      |       |      |                 |                    |       |       |      |       |      |                 |       |       |     |       |      |                 |       |       |     |       |  |  |       |       |     |       |  |  |       |       |      |       |      |                 |                  |       |       |     |       |  |  |                  |       |       |     |       |  |  |                    |       |       |     |       |      |                 |                  |       |       |     |       |  |  |
| 105.0     | 84.5        | 6.3          | 104.6       | 2105       | KR 105-084.5-06.3                |   |   |   |   |    |      |      |     |      |      |                   |                    |      |      |     |      |      |                 |      |      |     |      |      |                 |      |      |     |      |      |                   |      |      |     |      |      |                   |      |      |     |      |      |                 |                  |      |      |      |      |      |                 |                    |      |      |     |      |  |  |      |      |     |      |      |                   |      |      |     |      |      |                   |                    |      |      |     |      |      |                 |                  |      |      |      |      |      |                 |                    |      |      |     |      |      |                   |       |      |     |      |      |                   |       |      |     |      |      |                   |                  |       |      |     |      |      |                 |       |      |     |       |      |                   |       |      |     |       |      |                   |       |      |     |       |      |                   |       |      |     |       |      |                 |                  |       |      |      |       |      |                 |                    |       |      |     |       |      |                 |       |      |     |       |  |  |       |       |     |       |      |                   |       |      |      |       |      |                 |       |       |     |       |      |                   |                    |       |       |     |       |      |                 |                  |       |       |      |       |      |                 |       |       |     |       |  |  |       |       |      |       |      |                 |                    |       |       |      |       |      |                 |       |       |     |       |      |                 |       |       |     |       |  |  |       |       |     |       |  |  |       |       |      |       |      |                 |                  |       |       |     |       |  |  |                  |       |       |     |       |  |  |                    |       |       |     |       |      |                 |                  |       |       |     |       |  |  |
| 105.0     | 89.5        | 6.3          | 104.6       | 0105       | KR 105-089.5-06.3                |   |   |   |   |    |      |      |     |      |      |                   |                    |      |      |     |      |      |                 |      |      |     |      |      |                 |      |      |     |      |      |                   |      |      |     |      |      |                   |      |      |     |      |      |                 |                  |      |      |      |      |      |                 |                    |      |      |     |      |  |  |      |      |     |      |      |                   |      |      |     |      |      |                   |                    |      |      |     |      |      |                 |                  |      |      |      |      |      |                 |                    |      |      |     |      |      |                   |       |      |     |      |      |                   |       |      |     |      |      |                   |                  |       |      |     |      |      |                 |       |      |     |       |      |                   |       |      |     |       |      |                   |       |      |     |       |      |                   |       |      |     |       |      |                 |                  |       |      |      |       |      |                 |                    |       |      |     |       |      |                 |       |      |     |       |  |  |       |       |     |       |      |                   |       |      |      |       |      |                 |       |       |     |       |      |                   |                    |       |       |     |       |      |                 |                  |       |       |      |       |      |                 |       |       |     |       |  |  |       |       |      |       |      |                 |                    |       |       |      |       |      |                 |       |       |     |       |      |                 |       |       |     |       |  |  |       |       |     |       |  |  |       |       |      |       |      |                 |                  |       |       |     |       |  |  |                  |       |       |     |       |  |  |                    |       |       |     |       |      |                 |                  |       |       |     |       |  |  |
| 110.0     | 94.5        | 6.3          | 109.6       | 0110       | KR 110-094.5-06.3                |   |   |   |   |    |      |      |     |      |      |                   |                    |      |      |     |      |      |                 |      |      |     |      |      |                 |      |      |     |      |      |                   |      |      |     |      |      |                   |      |      |     |      |      |                 |                  |      |      |      |      |      |                 |                    |      |      |     |      |  |  |      |      |     |      |      |                   |      |      |     |      |      |                   |                    |      |      |     |      |      |                 |                  |      |      |      |      |      |                 |                    |      |      |     |      |      |                   |       |      |     |      |      |                   |       |      |     |      |      |                   |                  |       |      |     |      |      |                 |       |      |     |       |      |                   |       |      |     |       |      |                   |       |      |     |       |      |                   |       |      |     |       |      |                 |                  |       |      |      |       |      |                 |                    |       |      |     |       |      |                 |       |      |     |       |  |  |       |       |     |       |      |                   |       |      |      |       |      |                 |       |       |     |       |      |                   |                    |       |       |     |       |      |                 |                  |       |       |      |       |      |                 |       |       |     |       |  |  |       |       |      |       |      |                 |                    |       |       |      |       |      |                 |       |       |     |       |      |                 |       |       |     |       |  |  |       |       |     |       |  |  |       |       |      |       |      |                 |                  |       |       |     |       |  |  |                  |       |       |     |       |  |  |                    |       |       |     |       |      |                 |                  |       |       |     |       |  |  |
| 110.0     | 89.0        | 8.1          | 109.5       | 1110       | KR 110-089-08.1                  | GRC 110-089-08.1  |   |   |   |    |      |      |     |      |      |                   |                    |      |      |     |      |      |                 |      |      |     |      |      |                 |      |      |     |      |      |                   |      |      |     |      |      |                   |      |      |     |      |      |                 |                  |      |      |      |      |      |                 |                    |      |      |     |      |  |  |      |      |     |      |      |                   |      |      |     |      |      |                   |                    |      |      |     |      |      |                 |                  |      |      |      |      |      |                 |                    |      |      |     |      |      |                   |       |      |     |      |      |                   |       |      |     |      |      |                   |                  |       |      |     |      |      |                 |       |      |     |       |      |                   |       |      |     |       |      |                   |       |      |     |       |      |                   |       |      |     |       |      |                 |                  |       |      |      |       |      |                 |                    |       |      |     |       |      |                 |       |      |     |       |  |  |       |       |     |       |      |                   |       |      |      |       |      |                 |       |       |     |       |      |                   |                    |       |       |     |       |      |                 |                  |       |       |      |       |      |                 |       |       |     |       |  |  |       |       |      |       |      |                 |                    |       |       |      |       |      |                 |       |       |     |       |      |                 |       |       |     |       |  |  |       |       |     |       |  |  |       |       |      |       |      |                 |                  |       |       |     |       |  |  |                  |       |       |     |       |  |  |                    |       |       |     |       |      |                 |                  |       |       |     |       |  |  |
| 110.0     | 89.0        | 10.5         | 109.5       | 2110       | KR 110-089-10.5                  | GRC 115-099.5-06.3  |   |   |   |    |      |      |     |      |      |                   |                    |      |      |     |      |      |                 |      |      |     |      |      |                 |      |      |     |      |      |                   |      |      |     |      |      |                   |      |      |     |      |      |                 |                  |      |      |      |      |      |                 |                    |      |      |     |      |  |  |      |      |     |      |      |                   |      |      |     |      |      |                   |                    |      |      |     |      |      |                 |                  |      |      |      |      |      |                 |                    |      |      |     |      |      |                   |       |      |     |      |      |                   |       |      |     |      |      |                   |                  |       |      |     |      |      |                 |       |      |     |       |      |                   |       |      |     |       |      |                   |       |      |     |       |      |                   |       |      |     |       |      |                 |                  |       |      |      |       |      |                 |                    |       |      |     |       |      |                 |       |      |     |       |  |  |       |       |     |       |      |                   |       |      |      |       |      |                 |       |       |     |       |      |                   |                    |       |       |     |       |      |                 |                  |       |       |      |       |      |                 |       |       |     |       |  |  |       |       |      |       |      |                 |                    |       |       |      |       |      |                 |       |       |     |       |      |                 |       |       |     |       |  |  |       |       |     |       |  |  |       |       |      |       |      |                 |                  |       |       |     |       |  |  |                  |       |       |     |       |  |  |                    |       |       |     |       |      |                 |                  |       |       |     |       |  |  |
| 115.0     | 94.0        | 8.1          | 114.5       | 0115       | KR 115-094-08.1                  |   |   |   |   |    |      |      |     |      |      |                   |                    |      |      |     |      |      |                 |      |      |     |      |      |                 |      |      |     |      |      |                   |      |      |     |      |      |                   |      |      |     |      |      |                 |                  |      |      |      |      |      |                 |                    |      |      |     |      |  |  |      |      |     |      |      |                   |      |      |     |      |      |                   |                    |      |      |     |      |      |                 |                  |      |      |      |      |      |                 |                    |      |      |     |      |      |                   |       |      |     |      |      |                   |       |      |     |      |      |                   |                  |       |      |     |      |      |                 |       |      |     |       |      |                   |       |      |     |       |      |                   |       |      |     |       |      |                   |       |      |     |       |      |                 |                  |       |      |      |       |      |                 |                    |       |      |     |       |      |                 |       |      |     |       |  |  |       |       |     |       |      |                   |       |      |      |       |      |                 |       |       |     |       |      |                   |                    |       |       |     |       |      |                 |                  |       |       |      |       |      |                 |       |       |     |       |  |  |       |       |      |       |      |                 |                    |       |       |      |       |      |                 |       |       |     |       |      |                 |       |       |     |       |  |  |       |       |     |       |  |  |       |       |      |       |      |                 |                  |       |       |     |       |  |  |                  |       |       |     |       |  |  |                    |       |       |     |       |      |                 |                  |       |       |     |       |  |  |
| 115.0     | 99.5        | 6.3          | 114.6       |            |                                  |   |   |   |   |    |      |      |     |      |      |                   |                    |      |      |     |      |      |                 |      |      |     |      |      |                 |      |      |     |      |      |                   |      |      |     |      |      |                   |      |      |     |      |      |                 |                  |      |      |      |      |      |                 |                    |      |      |     |      |  |  |      |      |     |      |      |                   |      |      |     |      |      |                   |                    |      |      |     |      |      |                 |                  |      |      |      |      |      |                 |                    |      |      |     |      |      |                   |       |      |     |      |      |                   |       |      |     |      |      |                   |                  |       |      |     |      |      |                 |       |      |     |       |      |                   |       |      |     |       |      |                   |       |      |     |       |      |                   |       |      |     |       |      |                 |                  |       |      |      |       |      |                 |                    |       |      |     |       |      |                 |       |      |     |       |  |  |       |       |     |       |      |                   |       |      |      |       |      |                 |       |       |     |       |      |                   |                    |       |       |     |       |      |                 |                  |       |       |      |       |      |                 |       |       |     |       |  |  |       |       |      |       |      |                 |                    |       |       |      |       |      |                 |       |       |     |       |      |                 |       |       |     |       |  |  |       |       |     |       |  |  |       |       |      |       |      |                 |                  |       |       |     |       |  |  |                  |       |       |     |       |  |  |                    |       |       |     |       |      |                 |                  |       |       |     |       |  |  |
| 120.0     | 104.5       | 6.3          | 119.6       | 0120       | KR 120-104.5-06.3                |   |   |   |   |    |      |      |     |      |      |                   |                    |      |      |     |      |      |                 |      |      |     |      |      |                 |      |      |     |      |      |                   |      |      |     |      |      |                   |      |      |     |      |      |                 |                  |      |      |      |      |      |                 |                    |      |      |     |      |  |  |      |      |     |      |      |                   |      |      |     |      |      |                   |                    |      |      |     |      |      |                 |                  |      |      |      |      |      |                 |                    |      |      |     |      |      |                   |       |      |     |      |      |                   |       |      |     |      |      |                   |                  |       |      |     |      |      |                 |       |      |     |       |      |                   |       |      |     |       |      |                   |       |      |     |       |      |                   |       |      |     |       |      |                 |                  |       |      |      |       |      |                 |                    |       |      |     |       |      |                 |       |      |     |       |  |  |       |       |     |       |      |                   |       |      |      |       |      |                 |       |       |     |       |      |                   |                    |       |       |     |       |      |                 |                  |       |       |      |       |      |                 |       |       |     |       |  |  |       |       |      |       |      |                 |                    |       |       |      |       |      |                 |       |       |     |       |      |                 |       |       |     |       |  |  |       |       |     |       |  |  |       |       |      |       |      |                 |                  |       |       |     |       |  |  |                  |       |       |     |       |  |  |                    |       |       |     |       |      |                 |                  |       |       |     |       |  |  |
| 120.0     | 99.0        | 10.5         | 119.5       | 1120       | KR 120-099-10.5                  |   |   |   |   |    |      |      |     |      |      |                   |                    |      |      |     |      |      |                 |      |      |     |      |      |                 |      |      |     |      |      |                   |      |      |     |      |      |                   |      |      |     |      |      |                 |                  |      |      |      |      |      |                 |                    |      |      |     |      |  |  |      |      |     |      |      |                   |      |      |     |      |      |                   |                    |      |      |     |      |      |                 |                  |      |      |      |      |      |                 |                    |      |      |     |      |      |                   |       |      |     |      |      |                   |       |      |     |      |      |                   |                  |       |      |     |      |      |                 |       |      |     |       |      |                   |       |      |     |       |      |                   |       |      |     |       |      |                   |       |      |     |       |      |                 |                  |       |      |      |       |      |                 |                    |       |      |     |       |      |                 |       |      |     |       |  |  |       |       |     |       |      |                   |       |      |      |       |      |                 |       |       |     |       |      |                   |                    |       |       |     |       |      |                 |                  |       |       |      |       |      |                 |       |       |     |       |  |  |       |       |      |       |      |                 |                    |       |       |      |       |      |                 |       |       |     |       |      |                 |       |       |     |       |  |  |       |       |     |       |  |  |       |       |      |       |      |                 |                  |       |       |     |       |  |  |                  |       |       |     |       |  |  |                    |       |       |     |       |      |                 |                  |       |       |     |       |  |  |
| 125.0     | 109.5       | 6.3          | 124.6       | 0125       | KR 125-109.5-06.3                | GRC 125-109.5-06.3  |   |   |   |    |      |      |     |      |      |                   |                    |      |      |     |      |      |                 |      |      |     |      |      |                 |      |      |     |      |      |                   |      |      |     |      |      |                   |      |      |     |      |      |                 |                  |      |      |      |      |      |                 |                    |      |      |     |      |  |  |      |      |     |      |      |                   |      |      |     |      |      |                   |                    |      |      |     |      |      |                 |                  |      |      |      |      |      |                 |                    |      |      |     |      |      |                   |       |      |     |      |      |                   |       |      |     |      |      |                   |                  |       |      |     |      |      |                 |       |      |     |       |      |                   |       |      |     |       |      |                   |       |      |     |       |      |                   |       |      |     |       |      |                 |                  |       |      |      |       |      |                 |                    |       |      |     |       |      |                 |       |      |     |       |  |  |       |       |     |       |      |                   |       |      |      |       |      |                 |       |       |     |       |      |                   |                    |       |       |     |       |      |                 |                  |       |       |      |       |      |                 |       |       |     |       |  |  |       |       |      |       |      |                 |                    |       |       |      |       |      |                 |       |       |     |       |      |                 |       |       |     |       |  |  |       |       |     |       |  |  |       |       |      |       |      |                 |                  |       |       |     |       |  |  |                  |       |       |     |       |  |  |                    |       |       |     |       |      |                 |                  |       |       |     |       |  |  |
| 125.0     | 104.0       | 8.1          | 124.5       | 1125       | KR 125-104-08.1                  | GRC 125-104-08.1  |   |   |   |    |      |      |     |      |      |                   |                    |      |      |     |      |      |                 |      |      |     |      |      |                 |      |      |     |      |      |                   |      |      |     |      |      |                   |      |      |     |      |      |                 |                  |      |      |      |      |      |                 |                    |      |      |     |      |  |  |      |      |     |      |      |                   |      |      |     |      |      |                   |                    |      |      |     |      |      |                 |                  |      |      |      |      |      |                 |                    |      |      |     |      |      |                   |       |      |     |      |      |                   |       |      |     |      |      |                   |                  |       |      |     |      |      |                 |       |      |     |       |      |                   |       |      |     |       |      |                   |       |      |     |       |      |                   |       |      |     |       |      |                 |                  |       |      |      |       |      |                 |                    |       |      |     |       |      |                 |       |      |     |       |  |  |       |       |     |       |      |                   |       |      |      |       |      |                 |       |       |     |       |      |                   |                    |       |       |     |       |      |                 |                  |       |       |      |       |      |                 |       |       |     |       |  |  |       |       |      |       |      |                 |                    |       |       |      |       |      |                 |       |       |     |       |      |                 |       |       |     |       |  |  |       |       |     |       |  |  |       |       |      |       |      |                 |                  |       |       |     |       |  |  |                  |       |       |     |       |  |  |                    |       |       |     |       |      |                 |                  |       |       |     |       |  |  |
| 125.0     | 104.0       | 10.5         | 124.5       | 2125       | KR 125-104-10.5                  |   |   |   |   |    |      |      |     |      |      |                   |                    |      |      |     |      |      |                 |      |      |     |      |      |                 |      |      |     |      |      |                   |      |      |     |      |      |                   |      |      |     |      |      |                 |                  |      |      |      |      |      |                 |                    |      |      |     |      |  |  |      |      |     |      |      |                   |      |      |     |      |      |                   |                    |      |      |     |      |      |                 |                  |      |      |      |      |      |                 |                    |      |      |     |      |      |                   |       |      |     |      |      |                   |       |      |     |      |      |                   |                  |       |      |     |      |      |                 |       |      |     |       |      |                   |       |      |     |       |      |                   |       |      |     |       |      |                   |       |      |     |       |      |                 |                  |       |      |      |       |      |                 |                    |       |      |     |       |      |                 |       |      |     |       |  |  |       |       |     |       |      |                   |       |      |      |       |      |                 |       |       |     |       |      |                   |                    |       |       |     |       |      |                 |                  |       |       |      |       |      |                 |       |       |     |       |  |  |       |       |      |       |      |                 |                    |       |       |      |       |      |                 |       |       |     |       |      |                 |       |       |     |       |  |  |       |       |     |       |  |  |       |       |      |       |      |                 |                  |       |       |     |       |  |  |                  |       |       |     |       |  |  |                    |       |       |     |       |      |                 |                  |       |       |     |       |  |  |
| 130.0     | 114.5       | 6.3          | 129.6       |            |                                  |   |   |   |   |    |      |      |     |      |      |                   |                    |      |      |     |      |      |                 |      |      |     |      |      |                 |      |      |     |      |      |                   |      |      |     |      |      |                   |      |      |     |      |      |                 |                  |      |      |      |      |      |                 |                    |      |      |     |      |  |  |      |      |     |      |      |                   |      |      |     |      |      |                   |                    |      |      |     |      |      |                 |                  |      |      |      |      |      |                 |                    |      |      |     |      |      |                   |       |      |     |      |      |                   |       |      |     |      |      |                   |                  |       |      |     |      |      |                 |       |      |     |       |      |                   |       |      |     |       |      |                   |       |      |     |       |      |                   |       |      |     |       |      |                 |                  |       |      |      |       |      |                 |                    |       |      |     |       |      |                 |       |      |     |       |  |  |       |       |     |       |      |                   |       |      |      |       |      |                 |       |       |     |       |      |                   |                    |       |       |     |       |      |                 |                  |       |       |      |       |      |                 |       |       |     |       |  |  |       |       |      |       |      |                 |                    |       |       |      |       |      |                 |       |       |     |       |      |                 |       |       |     |       |  |  |       |       |     |       |  |  |       |       |      |       |      |                 |                  |       |       |     |       |  |  |                  |       |       |     |       |  |  |                    |       |       |     |       |      |                 |                  |       |       |     |       |  |  |
| 140.0     | 119.0       | 10.5         | 139.5       | 0140       | KR 140-119-10.5                  | GRC 130-114.5-06.3  |   |   |   |    |      |      |     |      |      |                   |                    |      |      |     |      |      |                 |      |      |     |      |      |                 |      |      |     |      |      |                   |      |      |     |      |      |                   |      |      |     |      |      |                 |                  |      |      |      |      |      |                 |                    |      |      |     |      |  |  |      |      |     |      |      |                   |      |      |     |      |      |                   |                    |      |      |     |      |      |                 |                  |      |      |      |      |      |                 |                    |      |      |     |      |      |                   |       |      |     |      |      |                   |       |      |     |      |      |                   |                  |       |      |     |      |      |                 |       |      |     |       |      |                   |       |      |     |       |      |                   |       |      |     |       |      |                   |       |      |     |       |      |                 |                  |       |      |      |       |      |                 |                    |       |      |     |       |      |                 |       |      |     |       |  |  |       |       |     |       |      |                   |       |      |      |       |      |                 |       |       |     |       |      |                   |                    |       |       |     |       |      |                 |                  |       |       |      |       |      |                 |       |       |     |       |  |  |       |       |      |       |      |                 |                    |       |       |      |       |      |                 |       |       |     |       |      |                 |       |       |     |       |  |  |       |       |     |       |  |  |       |       |      |       |      |                 |                  |       |       |     |       |  |  |                  |       |       |     |       |  |  |                    |       |       |     |       |      |                 |                  |       |       |     |       |  |  |
| 140.0     | 119.0       | 12.5         | 139.5       | 1140       | KR 140-119-12.5                  |   |   |   |   |    |      |      |     |      |      |                   |                    |      |      |     |      |      |                 |      |      |     |      |      |                 |      |      |     |      |      |                   |      |      |     |      |      |                   |      |      |     |      |      |                 |                  |      |      |      |      |      |                 |                    |      |      |     |      |  |  |      |      |     |      |      |                   |      |      |     |      |      |                   |                    |      |      |     |      |      |                 |                  |      |      |      |      |      |                 |                    |      |      |     |      |      |                   |       |      |     |      |      |                   |       |      |     |      |      |                   |                  |       |      |     |      |      |                 |       |      |     |       |      |                   |       |      |     |       |      |                   |       |      |     |       |      |                   |       |      |     |       |      |                 |                  |       |      |      |       |      |                 |                    |       |      |     |       |      |                 |       |      |     |       |  |  |       |       |     |       |      |                   |       |      |      |       |      |                 |       |       |     |       |      |                   |                    |       |       |     |       |      |                 |                  |       |       |      |       |      |                 |       |       |     |       |  |  |       |       |      |       |      |                 |                    |       |       |      |       |      |                 |       |       |     |       |      |                 |       |       |     |       |  |  |       |       |     |       |  |  |       |       |      |       |      |                 |                  |       |       |     |       |  |  |                  |       |       |     |       |  |  |                    |       |       |     |       |      |                 |                  |       |       |     |       |  |  |
| 140.0     | 119.0       | 8.1          | 139.5       | 2140       | KR 140-119-08.1                  |   |   |   |   |    |      |      |     |      |      |                   |                    |      |      |     |      |      |                 |      |      |     |      |      |                 |      |      |     |      |      |                   |      |      |     |      |      |                   |      |      |     |      |      |                 |                  |      |      |      |      |      |                 |                    |      |      |     |      |  |  |      |      |     |      |      |                   |      |      |     |      |      |                   |                    |      |      |     |      |      |                 |                  |      |      |      |      |      |                 |                    |      |      |     |      |      |                   |       |      |     |      |      |                   |       |      |     |      |      |                   |                  |       |      |     |      |      |                 |       |      |     |       |      |                   |       |      |     |       |      |                   |       |      |     |       |      |                   |       |      |     |       |      |                 |                  |       |      |      |       |      |                 |                    |       |      |     |       |      |                 |       |      |     |       |  |  |       |       |     |       |      |                   |       |      |      |       |      |                 |       |       |     |       |      |                   |                    |       |       |     |       |      |                 |                  |       |       |      |       |      |                 |       |       |     |       |  |  |       |       |      |       |      |                 |                    |       |       |      |       |      |                 |       |       |     |       |      |                 |       |       |     |       |  |  |       |       |     |       |  |  |       |       |      |       |      |                 |                  |       |       |     |       |  |  |                  |       |       |     |       |  |  |                    |       |       |     |       |      |                 |                  |       |       |     |       |  |  |
| 145.0     | 124.0       | 8.1          | 144.5       |            |                                  |   |   |   |   |    |      |      |     |      |      |                   |                    |      |      |     |      |      |                 |      |      |     |      |      |                 |      |      |     |      |      |                   |      |      |     |      |      |                   |      |      |     |      |      |                 |                  |      |      |      |      |      |                 |                    |      |      |     |      |  |  |      |      |     |      |      |                   |      |      |     |      |      |                   |                    |      |      |     |      |      |                 |                  |      |      |      |      |      |                 |                    |      |      |     |      |      |                   |       |      |     |      |      |                   |       |      |     |      |      |                   |                  |       |      |     |      |      |                 |       |      |     |       |      |                   |       |      |     |       |      |                   |       |      |     |       |      |                   |       |      |     |       |      |                 |                  |       |      |      |       |      |                 |                    |       |      |     |       |      |                 |       |      |     |       |  |  |       |       |     |       |      |                   |       |      |      |       |      |                 |       |       |     |       |      |                   |                    |       |       |     |       |      |                 |                  |       |       |      |       |      |                 |       |       |     |       |  |  |       |       |      |       |      |                 |                    |       |       |      |       |      |                 |       |       |     |       |      |                 |       |       |     |       |  |  |       |       |     |       |  |  |       |       |      |       |      |                 |                  |       |       |     |       |  |  |                  |       |       |     |       |  |  |                    |       |       |     |       |      |                 |                  |       |       |     |       |  |  |
| 150.0     | 129.0       | 8.1          | 149.5       |            |                                  |   |   |   |   |    |      |      |     |      |      |                   |                    |      |      |     |      |      |                 |      |      |     |      |      |                 |      |      |     |      |      |                   |      |      |     |      |      |                   |      |      |     |      |      |                 |                  |      |      |      |      |      |                 |                    |      |      |     |      |  |  |      |      |     |      |      |                   |      |      |     |      |      |                   |                    |      |      |     |      |      |                 |                  |      |      |      |      |      |                 |                    |      |      |     |      |      |                   |       |      |     |      |      |                   |       |      |     |      |      |                   |                  |       |      |     |      |      |                 |       |      |     |       |      |                   |       |      |     |       |      |                   |       |      |     |       |      |                   |       |      |     |       |      |                 |                  |       |      |      |       |      |                 |                    |       |      |     |       |      |                 |       |      |     |       |  |  |       |       |     |       |      |                   |       |      |      |       |      |                 |       |       |     |       |      |                   |                    |       |       |     |       |      |                 |                  |       |       |      |       |      |                 |       |       |     |       |  |  |       |       |      |       |      |                 |                    |       |       |      |       |      |                 |       |       |     |       |      |                 |       |       |     |       |  |  |       |       |     |       |  |  |       |       |      |       |      |                 |                  |       |       |     |       |  |  |                  |       |       |     |       |  |  |                    |       |       |     |       |      |                 |                  |       |       |     |       |  |  |
| 150.0     | 129.0       | 10.5         | 149.5       | 0150       | KR 150-129-10.5                  | GRC 145-124-08.1  |   |   |   |    |      |      |     |      |      |                   |                    |      |      |     |      |      |                 |      |      |     |      |      |                 |      |      |     |      |      |                   |      |      |     |      |      |                   |      |      |     |      |      |                 |                  |      |      |      |      |      |                 |                    |      |      |     |      |  |  |      |      |     |      |      |                   |      |      |     |      |      |                   |                    |      |      |     |      |      |                 |                  |      |      |      |      |      |                 |                    |      |      |     |      |      |                   |       |      |     |      |      |                   |       |      |     |      |      |                   |                  |       |      |     |      |      |                 |       |      |     |       |      |                   |       |      |     |       |      |                   |       |      |     |       |      |                   |       |      |     |       |      |                 |                  |       |      |      |       |      |                 |                    |       |      |     |       |      |                 |       |      |     |       |  |  |       |       |     |       |      |                   |       |      |      |       |      |                 |       |       |     |       |      |                   |                    |       |       |     |       |      |                 |                  |       |       |      |       |      |                 |       |       |     |       |  |  |       |       |      |       |      |                 |                    |       |       |      |       |      |                 |       |       |     |       |      |                 |       |       |     |       |  |  |       |       |     |       |  |  |       |       |      |       |      |                 |                  |       |       |     |       |  |  |                  |       |       |     |       |  |  |                    |       |       |     |       |      |                 |                  |       |       |     |       |  |  |
| 155.0     | 134.0       | 8.1          | 154.5       |            |                                  | GRC 155-134-08.1  |   |   |   |    |      |      |     |      |      |                   |                    |      |      |     |      |      |                 |      |      |     |      |      |                 |      |      |     |      |      |                   |      |      |     |      |      |                   |      |      |     |      |      |                 |                  |      |      |      |      |      |                 |                    |      |      |     |      |  |  |      |      |     |      |      |                   |      |      |     |      |      |                   |                    |      |      |     |      |      |                 |                  |      |      |      |      |      |                 |                    |      |      |     |      |      |                   |       |      |     |      |      |                   |       |      |     |      |      |                   |                  |       |      |     |      |      |                 |       |      |     |       |      |                   |       |      |     |       |      |                   |       |      |     |       |      |                   |       |      |     |       |      |                 |                  |       |      |      |       |      |                 |                    |       |      |     |       |      |                 |       |      |     |       |  |  |       |       |     |       |      |                   |       |      |      |       |      |                 |       |       |     |       |      |                   |                    |       |       |     |       |      |                 |                  |       |       |      |       |      |                 |       |       |     |       |  |  |       |       |      |       |      |                 |                    |       |       |      |       |      |                 |       |       |     |       |      |                 |       |       |     |       |  |  |       |       |     |       |  |  |       |       |      |       |      |                 |                  |       |       |     |       |  |  |                  |       |       |     |       |  |  |                    |       |       |     |       |      |                 |                  |       |       |     |       |  |  |
| 160.0     | 144.5       | 6.3          | 159.5       |            |                                  | GRC 160-144.5-06.3  |   |   |   |    |      |      |     |      |      |                   |                    |      |      |     |      |      |                 |      |      |     |      |      |                 |      |      |     |      |      |                   |      |      |     |      |      |                   |      |      |     |      |      |                 |                  |      |      |      |      |      |                 |                    |      |      |     |      |  |  |      |      |     |      |      |                   |      |      |     |      |      |                   |                    |      |      |     |      |      |                 |                  |      |      |      |      |      |                 |                    |      |      |     |      |      |                   |       |      |     |      |      |                   |       |      |     |      |      |                   |                  |       |      |     |      |      |                 |       |      |     |       |      |                   |       |      |     |       |      |                   |       |      |     |       |      |                   |       |      |     |       |      |                 |                  |       |      |      |       |      |                 |                    |       |      |     |       |      |                 |       |      |     |       |  |  |       |       |     |       |      |                   |       |      |      |       |      |                 |       |       |     |       |      |                   |                    |       |       |     |       |      |                 |                  |       |       |      |       |      |                 |       |       |     |       |  |  |       |       |      |       |      |                 |                    |       |       |      |       |      |                 |       |       |     |       |      |                 |       |       |     |       |  |  |       |       |     |       |  |  |       |       |      |       |      |                 |                  |       |       |     |       |  |  |                  |       |       |     |       |  |  |                    |       |       |     |       |      |                 |                  |       |       |     |       |  |  |
| 160.0     | 139.0       | 8.1          | 159.5       | 0160       | KR 160-139-08.1                  | GRC 160-139-08.1  |   |   |   |    |      |      |     |      |      |                   |                    |      |      |     |      |      |                 |      |      |     |      |      |                 |      |      |     |      |      |                   |      |      |     |      |      |                   |      |      |     |      |      |                 |                  |      |      |      |      |      |                 |                    |      |      |     |      |  |  |      |      |     |      |      |                   |      |      |     |      |      |                   |                    |      |      |     |      |      |                 |                  |      |      |      |      |      |                 |                    |      |      |     |      |      |                   |       |      |     |      |      |                   |       |      |     |      |      |                   |                  |       |      |     |      |      |                 |       |      |     |       |      |                   |       |      |     |       |      |                   |       |      |     |       |      |                   |       |      |     |       |      |                 |                  |       |      |      |       |      |                 |                    |       |      |     |       |      |                 |       |      |     |       |  |  |       |       |     |       |      |                   |       |      |      |       |      |                 |       |       |     |       |      |                   |                    |       |       |     |       |      |                 |                  |       |       |      |       |      |                 |       |       |     |       |  |  |       |       |      |       |      |                 |                    |       |       |      |       |      |                 |       |       |     |       |      |                 |       |       |     |       |  |  |       |       |     |       |  |  |       |       |      |       |      |                 |                  |       |       |     |       |  |  |                  |       |       |     |       |  |  |                    |       |       |     |       |      |                 |                  |       |       |     |       |  |  |
| 170.0     | 149.0       | 8.1          | 169.5       |            |                                  |   |   |   |   |    |      |      |     |      |      |                   |                    |      |      |     |      |      |                 |      |      |     |      |      |                 |      |      |     |      |      |                   |      |      |     |      |      |                   |      |      |     |      |      |                 |                  |      |      |      |      |      |                 |                    |      |      |     |      |  |  |      |      |     |      |      |                   |      |      |     |      |      |                   |                    |      |      |     |      |      |                 |                  |      |      |      |      |      |                 |                    |      |      |     |      |      |                   |       |      |     |      |      |                   |       |      |     |      |      |                   |                  |       |      |     |      |      |                 |       |      |     |       |      |                   |       |      |     |       |      |                   |       |      |     |       |      |                   |       |      |     |       |      |                 |                  |       |      |      |       |      |                 |                    |       |      |     |       |      |                 |       |      |     |       |  |  |       |       |     |       |      |                   |       |      |      |       |      |                 |       |       |     |       |      |                   |                    |       |       |     |       |      |                 |                  |       |       |      |       |      |                 |       |       |     |       |  |  |       |       |      |       |      |                 |                    |       |       |      |       |      |                 |       |       |     |       |      |                 |       |       |     |       |  |  |       |       |     |       |  |  |       |       |      |       |      |                 |                  |       |       |     |       |  |  |                  |       |       |     |       |  |  |                    |       |       |     |       |      |                 |                  |       |       |     |       |  |  |
| 180.0     | 159.0       | 8.1          | 179.5       | 0180       | KR 180-159-08.1                  |   |   |   |   |    |      |      |     |      |      |                   |                    |      |      |     |      |      |                 |      |      |     |      |      |                 |      |      |     |      |      |                   |      |      |     |      |      |                   |      |      |     |      |      |                 |                  |      |      |      |      |      |                 |                    |      |      |     |      |  |  |      |      |     |      |      |                   |      |      |     |      |      |                   |                    |      |      |     |      |      |                 |                  |      |      |      |      |      |                 |                    |      |      |     |      |      |                   |       |      |     |      |      |                   |       |      |     |      |      |                   |                  |       |      |     |      |      |                 |       |      |     |       |      |                   |       |      |     |       |      |                   |       |      |     |       |      |                   |       |      |     |       |      |                 |                  |       |      |      |       |      |                 |                    |       |      |     |       |      |                 |       |      |     |       |  |  |       |       |     |       |      |                   |       |      |      |       |      |                 |       |       |     |       |      |                   |                    |       |       |     |       |      |                 |                  |       |       |      |       |      |                 |       |       |     |       |  |  |       |       |      |       |      |                 |                    |       |       |      |       |      |                 |       |       |     |       |      |                 |       |       |     |       |  |  |       |       |     |       |  |  |       |       |      |       |      |                 |                  |       |       |     |       |  |  |                  |       |       |     |       |  |  |                    |       |       |     |       |      |                 |                  |       |       |     |       |  |  |

## Piston Sealing Set

(Metric Size)

| Bore Dia. | Groove Dia. | Groove Width | Piston Dia. | Prefix No. | Reference (for order processing) | Reference (for order processing) |
|-----------|-------------|--------------|-------------|------------|----------------------------------|----------------------------------|
| D         | d           | L            | D1          |            |                                  |                                  |
| 200.0     | 179.0       | 8.1          | 199.5       | 0200       | KR 200-179-08.1                  | GRC 200-179-08.1                 |
| 200.0     | 175.0       | 12.5         | 199.5       | 1200       | KR 200-175-12.5                  |                                  |
| 220.0     | 199.0       | 8.1          | 219.5       |            |                                  | GRC 220-199-08.1                 |
| 250.0     | 225.5       | 8.1          | 249.5       |            |                                  | GRC 250-225.5-08.1               |
| 250.0     | 229.0       | 8.1          | 249.5       |            |                                  | GRC 250-229-08.1                 |
| 320.0     | 299.0       | 8.1          | 319.5       |            |                                  | GRC 320-299-08.1                 |
| 320.0     | 295.5       | 8.1          | 319.5       |            |                                  | GRC 320-295.5-08.1               |
| 400.0     | 375.5       | 8.1          | 399.4       |            |                                  | GRC 400-375.5-08.1               |
| 400.0     | 370.0       | 12.5         | 399.4       |            |                                  | GRC 400-370-12.5                 |

