

# INTERNATIONAL STANDARD

## NORME INTERNATIONALE



### AMENDMENT 62

*The sheets contained in this amendment are to be inserted in IEC 60061-1 (1969)*

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*Les feuilles de cet amendement sont à insérer dans l'IEC 60061-1 (1969)*

**Lamp caps and holders together with gauges for the control of  
interchangeability and safety –  
Part 1: Lamp caps**

**Culots de lampes et douilles ainsi que calibres pour le contrôle de  
l'interchangeabilité et de la sécurité –  
Partie 1: Culots de lampes**



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#### Culots de lampes et douilles ainsi que calibres pour le contrôle de l'interchangeabilité et de la sécurité – Partie 1: Culots de lampes

INTERNATIONAL  
ELECTROTECHNICAL  
COMMISSION

COMMISSION  
ELECTROTECHNIQUE  
INTERNATIONALE

ICS 29.140.10

ISBN 978-2-8322-1084-2

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|                                                     | LAMP CAPS AND LAMP BASES<br>CULOTS ET SOCLES DE LAMPES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Page 3/4 |            |        |           |              |           |       |            |              |            |        |           |         |           |        |           |                |            |         |            |            |            |       |            |        |             |        |            |                            |           |              |            |       |            |        |            |              |           |           |           |       |           |        |           |      |            |        |            |       |             |      |           |                            |          |                        |            |      |           |        |            |        |            |      |           |           |           |              |            |      |            |      |           |      |           |       |            |       |           |       |           |       |           |      |           |          |            |        |            |  |  |     |           |      |            |      |           |  |  |        |           |        |            |       |           |      |           |     |           |       |           |        |            |                     |            |     |            |             |           |       |           |          |            |  |
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|                                                     | <table><tr><td>PGJ5</td><td>7004-153-1</td></tr><tr><td>P11.5d</td><td>7004-79-1</td></tr><tr><td>PG12 &amp; PGX12</td><td>7004-64-3</td></tr><tr><td>PGZ12</td><td>7004-148-2</td></tr><tr><td>PG13 &amp; PGJ13</td><td>7004-107-4</td></tr><tr><td>P13.5s</td><td>7004-40-2</td></tr><tr><td>PX13.5s</td><td>7004-35-2</td></tr><tr><td>P14.5s</td><td>7004-46-2</td></tr><tr><td>PGZ18 &amp; PGZX18</td><td>7004-163-2</td></tr><tr><td>PG18.5d</td><td>7004-147-1</td></tr><tr><td>PGJ18.5d/t</td><td>7004-185-3</td></tr><tr><td>PGJ19</td><td>7004-110-3</td></tr><tr><td>PGJX19</td><td>7004-110A-1</td></tr><tr><td>PGJY19</td><td>7004-146-1</td></tr><tr><td>P20d, PX20d, PY20d &amp; PZ20d</td><td>7004-31-2</td></tr><tr><td>PG20 &amp; PGU20</td><td>7004-127-2</td></tr><tr><td>PU20d</td><td>7004-158-1</td></tr><tr><td>PGJ21t</td><td>7004-165-1</td></tr><tr><td>P22d &amp; PX22d</td><td>7004-32-2</td></tr><tr><td>PG22-6.35</td><td>7004-48-1</td></tr><tr><td>PK22s</td><td>7004-47-4</td></tr><tr><td>PKX22s</td><td>7004-37-2</td></tr><tr><td>P23t</td><td>7004-138-2</td></tr><tr><td>PGJ23t</td><td>7004-155-1</td></tr><tr><td>PX23t</td><td>7004-138A-1</td></tr><tr><td>P26s</td><td>7004-36-1</td></tr><tr><td>PX26d, PY26d-1 ... PY26d-7</td><td>7004-5-7</td></tr><tr><td>P(X)(Y)26.4t &amp; PJ26.4t</td><td>7004-128-3</td></tr><tr><td>P28s</td><td>7004-42-7</td></tr><tr><td>PGJX28</td><td>7004-169-1</td></tr><tr><td>PGJX36</td><td>7004-184-1</td></tr><tr><td>P29t</td><td>7004-66-1</td></tr><tr><td>P30s-10.3</td><td>7004-44-3</td></tr><tr><td>P32d &amp; PK32d</td><td>7004-111-5</td></tr><tr><td>P38t</td><td>7004-133-1</td></tr><tr><td>P40s</td><td>7004-43-5</td></tr><tr><td>P43t</td><td>7004-39-6</td></tr><tr><td>PU43t</td><td>7004-171-2</td></tr><tr><td>PX43t</td><td>7004-34-2</td></tr><tr><td>PY43d</td><td>7004-88-2</td></tr><tr><td>PZ43t</td><td>7004-89-2</td></tr><tr><td>P45t</td><td>7004-95-5</td></tr><tr><td>PGJ(X)50</td><td>7004-156-2</td></tr><tr><td>PGJY50</td><td>7004-182-1</td></tr><tr><td colspan="2"> </td></tr><tr><td>R7s</td><td>7004-92-3</td></tr><tr><td>RX7s</td><td>7004-92A-4</td></tr><tr><td>R17d</td><td>7004-56-2</td></tr><tr><td colspan="2"> </td></tr><tr><td>SX4s/4</td><td>7004-97-2</td></tr><tr><td>SY4s/7</td><td>7004-97A-1</td></tr><tr><td>S5.7s</td><td>7004-62-1</td></tr><tr><td>SX6s</td><td>7004-61-1</td></tr><tr><td>SV7</td><td>7004-80-7</td></tr><tr><td>SV8.5</td><td>7004-81-4</td></tr><tr><td>SVX8.5</td><td>7004-81A-1</td></tr><tr><td>SFc10-4 &amp; SFc15.5-6</td><td>7004-160-1</td></tr><tr><td>S14</td><td>7004-112-1</td></tr><tr><td>S15s &amp; S19s</td><td>7004-60-2</td></tr><tr><td>SK15s</td><td>7004-83-1</td></tr><tr><td>SFa21-12</td><td>7004-159-1</td></tr></table> | PGJ5     | 7004-153-1 | P11.5d | 7004-79-1 | PG12 & PGX12 | 7004-64-3 | PGZ12 | 7004-148-2 | PG13 & PGJ13 | 7004-107-4 | P13.5s | 7004-40-2 | PX13.5s | 7004-35-2 | P14.5s | 7004-46-2 | PGZ18 & PGZX18 | 7004-163-2 | PG18.5d | 7004-147-1 | PGJ18.5d/t | 7004-185-3 | PGJ19 | 7004-110-3 | PGJX19 | 7004-110A-1 | PGJY19 | 7004-146-1 | P20d, PX20d, PY20d & PZ20d | 7004-31-2 | PG20 & PGU20 | 7004-127-2 | PU20d | 7004-158-1 | PGJ21t | 7004-165-1 | P22d & PX22d | 7004-32-2 | PG22-6.35 | 7004-48-1 | PK22s | 7004-47-4 | PKX22s | 7004-37-2 | P23t | 7004-138-2 | PGJ23t | 7004-155-1 | PX23t | 7004-138A-1 | P26s | 7004-36-1 | PX26d, PY26d-1 ... PY26d-7 | 7004-5-7 | P(X)(Y)26.4t & PJ26.4t | 7004-128-3 | P28s | 7004-42-7 | PGJX28 | 7004-169-1 | PGJX36 | 7004-184-1 | P29t | 7004-66-1 | P30s-10.3 | 7004-44-3 | P32d & PK32d | 7004-111-5 | P38t | 7004-133-1 | P40s | 7004-43-5 | P43t | 7004-39-6 | PU43t | 7004-171-2 | PX43t | 7004-34-2 | PY43d | 7004-88-2 | PZ43t | 7004-89-2 | P45t | 7004-95-5 | PGJ(X)50 | 7004-156-2 | PGJY50 | 7004-182-1 |  |  | R7s | 7004-92-3 | RX7s | 7004-92A-4 | R17d | 7004-56-2 |  |  | SX4s/4 | 7004-97-2 | SY4s/7 | 7004-97A-1 | S5.7s | 7004-62-1 | SX6s | 7004-61-1 | SV7 | 7004-80-7 | SV8.5 | 7004-81-4 | SVX8.5 | 7004-81A-1 | SFc10-4 & SFc15.5-6 | 7004-160-1 | S14 | 7004-112-1 | S15s & S19s | 7004-60-2 | SK15s | 7004-83-1 | SFa21-12 | 7004-159-1 |  |
| PGJ5                                                | 7004-153-1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |            |        |           |              |           |       |            |              |            |        |           |         |           |        |           |                |            |         |            |            |            |       |            |        |             |        |            |                            |           |              |            |       |            |        |            |              |           |           |           |       |           |        |           |      |            |        |            |       |             |      |           |                            |          |                        |            |      |           |        |            |        |            |      |           |           |           |              |            |      |            |      |           |      |           |       |            |       |           |       |           |       |           |      |           |          |            |        |            |  |  |     |           |      |            |      |           |  |  |        |           |        |            |       |           |      |           |     |           |       |           |        |            |                     |            |     |            |             |           |       |           |          |            |  |
| P11.5d                                              | 7004-79-1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |            |        |           |              |           |       |            |              |            |        |           |         |           |        |           |                |            |         |            |            |            |       |            |        |             |        |            |                            |           |              |            |       |            |        |            |              |           |           |           |       |           |        |           |      |            |        |            |       |             |      |           |                            |          |                        |            |      |           |        |            |        |            |      |           |           |           |              |            |      |            |      |           |      |           |       |            |       |           |       |           |       |           |      |           |          |            |        |            |  |  |     |           |      |            |      |           |  |  |        |           |        |            |       |           |      |           |     |           |       |           |        |            |                     |            |     |            |             |           |       |           |          |            |  |
| PG12 & PGX12                                        | 7004-64-3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |            |        |           |              |           |       |            |              |            |        |           |         |           |        |           |                |            |         |            |            |            |       |            |        |             |        |            |                            |           |              |            |       |            |        |            |              |           |           |           |       |           |        |           |      |            |        |            |       |             |      |           |                            |          |                        |            |      |           |        |            |        |            |      |           |           |           |              |            |      |            |      |           |      |           |       |            |       |           |       |           |       |           |      |           |          |            |        |            |  |  |     |           |      |            |      |           |  |  |        |           |        |            |       |           |      |           |     |           |       |           |        |            |                     |            |     |            |             |           |       |           |          |            |  |
| PGZ12                                               | 7004-148-2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |            |        |           |              |           |       |            |              |            |        |           |         |           |        |           |                |            |         |            |            |            |       |            |        |             |        |            |                            |           |              |            |       |            |        |            |              |           |           |           |       |           |        |           |      |            |        |            |       |             |      |           |                            |          |                        |            |      |           |        |            |        |            |      |           |           |           |              |            |      |            |      |           |      |           |       |            |       |           |       |           |       |           |      |           |          |            |        |            |  |  |     |           |      |            |      |           |  |  |        |           |        |            |       |           |      |           |     |           |       |           |        |            |                     |            |     |            |             |           |       |           |          |            |  |
| PG13 & PGJ13                                        | 7004-107-4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |            |        |           |              |           |       |            |              |            |        |           |         |           |        |           |                |            |         |            |            |            |       |            |        |             |        |            |                            |           |              |            |       |            |        |            |              |           |           |           |       |           |        |           |      |            |        |            |       |             |      |           |                            |          |                        |            |      |           |        |            |        |            |      |           |           |           |              |            |      |            |      |           |      |           |       |            |       |           |       |           |       |           |      |           |          |            |        |            |  |  |     |           |      |            |      |           |  |  |        |           |        |            |       |           |      |           |     |           |       |           |        |            |                     |            |     |            |             |           |       |           |          |            |  |
| P13.5s                                              | 7004-40-2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |            |        |           |              |           |       |            |              |            |        |           |         |           |        |           |                |            |         |            |            |            |       |            |        |             |        |            |                            |           |              |            |       |            |        |            |              |           |           |           |       |           |        |           |      |            |        |            |       |             |      |           |                            |          |                        |            |      |           |        |            |        |            |      |           |           |           |              |            |      |            |      |           |      |           |       |            |       |           |       |           |       |           |      |           |          |            |        |            |  |  |     |           |      |            |      |           |  |  |        |           |        |            |       |           |      |           |     |           |       |           |        |            |                     |            |     |            |             |           |       |           |          |            |  |
| PX13.5s                                             | 7004-35-2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |            |        |           |              |           |       |            |              |            |        |           |         |           |        |           |                |            |         |            |            |            |       |            |        |             |        |            |                            |           |              |            |       |            |        |            |              |           |           |           |       |           |        |           |      |            |        |            |       |             |      |           |                            |          |                        |            |      |           |        |            |        |            |      |           |           |           |              |            |      |            |      |           |      |           |       |            |       |           |       |           |       |           |      |           |          |            |        |            |  |  |     |           |      |            |      |           |  |  |        |           |        |            |       |           |      |           |     |           |       |           |        |            |                     |            |     |            |             |           |       |           |          |            |  |
| P14.5s                                              | 7004-46-2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |            |        |           |              |           |       |            |              |            |        |           |         |           |        |           |                |            |         |            |            |            |       |            |        |             |        |            |                            |           |              |            |       |            |        |            |              |           |           |           |       |           |        |           |      |            |        |            |       |             |      |           |                            |          |                        |            |      |           |        |            |        |            |      |           |           |           |              |            |      |            |      |           |      |           |       |            |       |           |       |           |       |           |      |           |          |            |        |            |  |  |     |           |      |            |      |           |  |  |        |           |        |            |       |           |      |           |     |           |       |           |        |            |                     |            |     |            |             |           |       |           |          |            |  |
| PGZ18 & PGZX18                                      | 7004-163-2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |            |        |           |              |           |       |            |              |            |        |           |         |           |        |           |                |            |         |            |            |            |       |            |        |             |        |            |                            |           |              |            |       |            |        |            |              |           |           |           |       |           |        |           |      |            |        |            |       |             |      |           |                            |          |                        |            |      |           |        |            |        |            |      |           |           |           |              |            |      |            |      |           |      |           |       |            |       |           |       |           |       |           |      |           |          |            |        |            |  |  |     |           |      |            |      |           |  |  |        |           |        |            |       |           |      |           |     |           |       |           |        |            |                     |            |     |            |             |           |       |           |          |            |  |
| PG18.5d                                             | 7004-147-1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |            |        |           |              |           |       |            |              |            |        |           |         |           |        |           |                |            |         |            |            |            |       |            |        |             |        |            |                            |           |              |            |       |            |        |            |              |           |           |           |       |           |        |           |      |            |        |            |       |             |      |           |                            |          |                        |            |      |           |        |            |        |            |      |           |           |           |              |            |      |            |      |           |      |           |       |            |       |           |       |           |       |           |      |           |          |            |        |            |  |  |     |           |      |            |      |           |  |  |        |           |        |            |       |           |      |           |     |           |       |           |        |            |                     |            |     |            |             |           |       |           |          |            |  |
| PGJ18.5d/t                                          | 7004-185-3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |            |        |           |              |           |       |            |              |            |        |           |         |           |        |           |                |            |         |            |            |            |       |            |        |             |        |            |                            |           |              |            |       |            |        |            |              |           |           |           |       |           |        |           |      |            |        |            |       |             |      |           |                            |          |                        |            |      |           |        |            |        |            |      |           |           |           |              |            |      |            |      |           |      |           |       |            |       |           |       |           |       |           |      |           |          |            |        |            |  |  |     |           |      |            |      |           |  |  |        |           |        |            |       |           |      |           |     |           |       |           |        |            |                     |            |     |            |             |           |       |           |          |            |  |
| PGJ19                                               | 7004-110-3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |            |        |           |              |           |       |            |              |            |        |           |         |           |        |           |                |            |         |            |            |            |       |            |        |             |        |            |                            |           |              |            |       |            |        |            |              |           |           |           |       |           |        |           |      |            |        |            |       |             |      |           |                            |          |                        |            |      |           |        |            |        |            |      |           |           |           |              |            |      |            |      |           |      |           |       |            |       |           |       |           |       |           |      |           |          |            |        |            |  |  |     |           |      |            |      |           |  |  |        |           |        |            |       |           |      |           |     |           |       |           |        |            |                     |            |     |            |             |           |       |           |          |            |  |
| PGJX19                                              | 7004-110A-1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |          |            |        |           |              |           |       |            |              |            |        |           |         |           |        |           |                |            |         |            |            |            |       |            |        |             |        |            |                            |           |              |            |       |            |        |            |              |           |           |           |       |           |        |           |      |            |        |            |       |             |      |           |                            |          |                        |            |      |           |        |            |        |            |      |           |           |           |              |            |      |            |      |           |      |           |       |            |       |           |       |           |       |           |      |           |          |            |        |            |  |  |     |           |      |            |      |           |  |  |        |           |        |            |       |           |      |           |     |           |       |           |        |            |                     |            |     |            |             |           |       |           |          |            |  |
| PGJY19                                              | 7004-146-1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |            |        |           |              |           |       |            |              |            |        |           |         |           |        |           |                |            |         |            |            |            |       |            |        |             |        |            |                            |           |              |            |       |            |        |            |              |           |           |           |       |           |        |           |      |            |        |            |       |             |      |           |                            |          |                        |            |      |           |        |            |        |            |      |           |           |           |              |            |      |            |      |           |      |           |       |            |       |           |       |           |       |           |      |           |          |            |        |            |  |  |     |           |      |            |      |           |  |  |        |           |        |            |       |           |      |           |     |           |       |           |        |            |                     |            |     |            |             |           |       |           |          |            |  |
| P20d, PX20d, PY20d & PZ20d                          | 7004-31-2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |            |        |           |              |           |       |            |              |            |        |           |         |           |        |           |                |            |         |            |            |            |       |            |        |             |        |            |                            |           |              |            |       |            |        |            |              |           |           |           |       |           |        |           |      |            |        |            |       |             |      |           |                            |          |                        |            |      |           |        |            |        |            |      |           |           |           |              |            |      |            |      |           |      |           |       |            |       |           |       |           |       |           |      |           |          |            |        |            |  |  |     |           |      |            |      |           |  |  |        |           |        |            |       |           |      |           |     |           |       |           |        |            |                     |            |     |            |             |           |       |           |          |            |  |
| PG20 & PGU20                                        | 7004-127-2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |            |        |           |              |           |       |            |              |            |        |           |         |           |        |           |                |            |         |            |            |            |       |            |        |             |        |            |                            |           |              |            |       |            |        |            |              |           |           |           |       |           |        |           |      |            |        |            |       |             |      |           |                            |          |                        |            |      |           |        |            |        |            |      |           |           |           |              |            |      |            |      |           |      |           |       |            |       |           |       |           |       |           |      |           |          |            |        |            |  |  |     |           |      |            |      |           |  |  |        |           |        |            |       |           |      |           |     |           |       |           |        |            |                     |            |     |            |             |           |       |           |          |            |  |
| PU20d                                               | 7004-158-1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |            |        |           |              |           |       |            |              |            |        |           |         |           |        |           |                |            |         |            |            |            |       |            |        |             |        |            |                            |           |              |            |       |            |        |            |              |           |           |           |       |           |        |           |      |            |        |            |       |             |      |           |                            |          |                        |            |      |           |        |            |        |            |      |           |           |           |              |            |      |            |      |           |      |           |       |            |       |           |       |           |       |           |      |           |          |            |        |            |  |  |     |           |      |            |      |           |  |  |        |           |        |            |       |           |      |           |     |           |       |           |        |            |                     |            |     |            |             |           |       |           |          |            |  |
| PGJ21t                                              | 7004-165-1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |            |        |           |              |           |       |            |              |            |        |           |         |           |        |           |                |            |         |            |            |            |       |            |        |             |        |            |                            |           |              |            |       |            |        |            |              |           |           |           |       |           |        |           |      |            |        |            |       |             |      |           |                            |          |                        |            |      |           |        |            |        |            |      |           |           |           |              |            |      |            |      |           |      |           |       |            |       |           |       |           |       |           |      |           |          |            |        |            |  |  |     |           |      |            |      |           |  |  |        |           |        |            |       |           |      |           |     |           |       |           |        |            |                     |            |     |            |             |           |       |           |          |            |  |
| P22d & PX22d                                        | 7004-32-2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |            |        |           |              |           |       |            |              |            |        |           |         |           |        |           |                |            |         |            |            |            |       |            |        |             |        |            |                            |           |              |            |       |            |        |            |              |           |           |           |       |           |        |           |      |            |        |            |       |             |      |           |                            |          |                        |            |      |           |        |            |        |            |      |           |           |           |              |            |      |            |      |           |      |           |       |            |       |           |       |           |       |           |      |           |          |            |        |            |  |  |     |           |      |            |      |           |  |  |        |           |        |            |       |           |      |           |     |           |       |           |        |            |                     |            |     |            |             |           |       |           |          |            |  |
| PG22-6.35                                           | 7004-48-1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |            |        |           |              |           |       |            |              |            |        |           |         |           |        |           |                |            |         |            |            |            |       |            |        |             |        |            |                            |           |              |            |       |            |        |            |              |           |           |           |       |           |        |           |      |            |        |            |       |             |      |           |                            |          |                        |            |      |           |        |            |        |            |      |           |           |           |              |            |      |            |      |           |      |           |       |            |       |           |       |           |       |           |      |           |          |            |        |            |  |  |     |           |      |            |      |           |  |  |        |           |        |            |       |           |      |           |     |           |       |           |        |            |                     |            |     |            |             |           |       |           |          |            |  |
| PK22s                                               | 7004-47-4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |            |        |           |              |           |       |            |              |            |        |           |         |           |        |           |                |            |         |            |            |            |       |            |        |             |        |            |                            |           |              |            |       |            |        |            |              |           |           |           |       |           |        |           |      |            |        |            |       |             |      |           |                            |          |                        |            |      |           |        |            |        |            |      |           |           |           |              |            |      |            |      |           |      |           |       |            |       |           |       |           |       |           |      |           |          |            |        |            |  |  |     |           |      |            |      |           |  |  |        |           |        |            |       |           |      |           |     |           |       |           |        |            |                     |            |     |            |             |           |       |           |          |            |  |
| PKX22s                                              | 7004-37-2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |            |        |           |              |           |       |            |              |            |        |           |         |           |        |           |                |            |         |            |            |            |       |            |        |             |        |            |                            |           |              |            |       |            |        |            |              |           |           |           |       |           |        |           |      |            |        |            |       |             |      |           |                            |          |                        |            |      |           |        |            |        |            |      |           |           |           |              |            |      |            |      |           |      |           |       |            |       |           |       |           |       |           |      |           |          |            |        |            |  |  |     |           |      |            |      |           |  |  |        |           |        |            |       |           |      |           |     |           |       |           |        |            |                     |            |     |            |             |           |       |           |          |            |  |
| P23t                                                | 7004-138-2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |            |        |           |              |           |       |            |              |            |        |           |         |           |        |           |                |            |         |            |            |            |       |            |        |             |        |            |                            |           |              |            |       |            |        |            |              |           |           |           |       |           |        |           |      |            |        |            |       |             |      |           |                            |          |                        |            |      |           |        |            |        |            |      |           |           |           |              |            |      |            |      |           |      |           |       |            |       |           |       |           |       |           |      |           |          |            |        |            |  |  |     |           |      |            |      |           |  |  |        |           |        |            |       |           |      |           |     |           |       |           |        |            |                     |            |     |            |             |           |       |           |          |            |  |
| PGJ23t                                              | 7004-155-1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |            |        |           |              |           |       |            |              |            |        |           |         |           |        |           |                |            |         |            |            |            |       |            |        |             |        |            |                            |           |              |            |       |            |        |            |              |           |           |           |       |           |        |           |      |            |        |            |       |             |      |           |                            |          |                        |            |      |           |        |            |        |            |      |           |           |           |              |            |      |            |      |           |      |           |       |            |       |           |       |           |       |           |      |           |          |            |        |            |  |  |     |           |      |            |      |           |  |  |        |           |        |            |       |           |      |           |     |           |       |           |        |            |                     |            |     |            |             |           |       |           |          |            |  |
| PX23t                                               | 7004-138A-1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |          |            |        |           |              |           |       |            |              |            |        |           |         |           |        |           |                |            |         |            |            |            |       |            |        |             |        |            |                            |           |              |            |       |            |        |            |              |           |           |           |       |           |        |           |      |            |        |            |       |             |      |           |                            |          |                        |            |      |           |        |            |        |            |      |           |           |           |              |            |      |            |      |           |      |           |       |            |       |           |       |           |       |           |      |           |          |            |        |            |  |  |     |           |      |            |      |           |  |  |        |           |        |            |       |           |      |           |     |           |       |           |        |            |                     |            |     |            |             |           |       |           |          |            |  |
| P26s                                                | 7004-36-1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |            |        |           |              |           |       |            |              |            |        |           |         |           |        |           |                |            |         |            |            |            |       |            |        |             |        |            |                            |           |              |            |       |            |        |            |              |           |           |           |       |           |        |           |      |            |        |            |       |             |      |           |                            |          |                        |            |      |           |        |            |        |            |      |           |           |           |              |            |      |            |      |           |      |           |       |            |       |           |       |           |       |           |      |           |          |            |        |            |  |  |     |           |      |            |      |           |  |  |        |           |        |            |       |           |      |           |     |           |       |           |        |            |                     |            |     |            |             |           |       |           |          |            |  |
| PX26d, PY26d-1 ... PY26d-7                          | 7004-5-7                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |            |        |           |              |           |       |            |              |            |        |           |         |           |        |           |                |            |         |            |            |            |       |            |        |             |        |            |                            |           |              |            |       |            |        |            |              |           |           |           |       |           |        |           |      |            |        |            |       |             |      |           |                            |          |                        |            |      |           |        |            |        |            |      |           |           |           |              |            |      |            |      |           |      |           |       |            |       |           |       |           |       |           |      |           |          |            |        |            |  |  |     |           |      |            |      |           |  |  |        |           |        |            |       |           |      |           |     |           |       |           |        |            |                     |            |     |            |             |           |       |           |          |            |  |
| P(X)(Y)26.4t & PJ26.4t                              | 7004-128-3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |            |        |           |              |           |       |            |              |            |        |           |         |           |        |           |                |            |         |            |            |            |       |            |        |             |        |            |                            |           |              |            |       |            |        |            |              |           |           |           |       |           |        |           |      |            |        |            |       |             |      |           |                            |          |                        |            |      |           |        |            |        |            |      |           |           |           |              |            |      |            |      |           |      |           |       |            |       |           |       |           |       |           |      |           |          |            |        |            |  |  |     |           |      |            |      |           |  |  |        |           |        |            |       |           |      |           |     |           |       |           |        |            |                     |            |     |            |             |           |       |           |          |            |  |
| P28s                                                | 7004-42-7                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |            |        |           |              |           |       |            |              |            |        |           |         |           |        |           |                |            |         |            |            |            |       |            |        |             |        |            |                            |           |              |            |       |            |        |            |              |           |           |           |       |           |        |           |      |            |        |            |       |             |      |           |                            |          |                        |            |      |           |        |            |        |            |      |           |           |           |              |            |      |            |      |           |      |           |       |            |       |           |       |           |       |           |      |           |          |            |        |            |  |  |     |           |      |            |      |           |  |  |        |           |        |            |       |           |      |           |     |           |       |           |        |            |                     |            |     |            |             |           |       |           |          |            |  |
| PGJX28                                              | 7004-169-1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |            |        |           |              |           |       |            |              |            |        |           |         |           |        |           |                |            |         |            |            |            |       |            |        |             |        |            |                            |           |              |            |       |            |        |            |              |           |           |           |       |           |        |           |      |            |        |            |       |             |      |           |                            |          |                        |            |      |           |        |            |        |            |      |           |           |           |              |            |      |            |      |           |      |           |       |            |       |           |       |           |       |           |      |           |          |            |        |            |  |  |     |           |      |            |      |           |  |  |        |           |        |            |       |           |      |           |     |           |       |           |        |            |                     |            |     |            |             |           |       |           |          |            |  |
| PGJX36                                              | 7004-184-1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |            |        |           |              |           |       |            |              |            |        |           |         |           |        |           |                |            |         |            |            |            |       |            |        |             |        |            |                            |           |              |            |       |            |        |            |              |           |           |           |       |           |        |           |      |            |        |            |       |             |      |           |                            |          |                        |            |      |           |        |            |        |            |      |           |           |           |              |            |      |            |      |           |      |           |       |            |       |           |       |           |       |           |      |           |          |            |        |            |  |  |     |           |      |            |      |           |  |  |        |           |        |            |       |           |      |           |     |           |       |           |        |            |                     |            |     |            |             |           |       |           |          |            |  |
| P29t                                                | 7004-66-1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |            |        |           |              |           |       |            |              |            |        |           |         |           |        |           |                |            |         |            |            |            |       |            |        |             |        |            |                            |           |              |            |       |            |        |            |              |           |           |           |       |           |        |           |      |            |        |            |       |             |      |           |                            |          |                        |            |      |           |        |            |        |            |      |           |           |           |              |            |      |            |      |           |      |           |       |            |       |           |       |           |       |           |      |           |          |            |        |            |  |  |     |           |      |            |      |           |  |  |        |           |        |            |       |           |      |           |     |           |       |           |        |            |                     |            |     |            |             |           |       |           |          |            |  |
| P30s-10.3                                           | 7004-44-3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |            |        |           |              |           |       |            |              |            |        |           |         |           |        |           |                |            |         |            |            |            |       |            |        |             |        |            |                            |           |              |            |       |            |        |            |              |           |           |           |       |           |        |           |      |            |        |            |       |             |      |           |                            |          |                        |            |      |           |        |            |        |            |      |           |           |           |              |            |      |            |      |           |      |           |       |            |       |           |       |           |       |           |      |           |          |            |        |            |  |  |     |           |      |            |      |           |  |  |        |           |        |            |       |           |      |           |     |           |       |           |        |            |                     |            |     |            |             |           |       |           |          |            |  |
| P32d & PK32d                                        | 7004-111-5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |            |        |           |              |           |       |            |              |            |        |           |         |           |        |           |                |            |         |            |            |            |       |            |        |             |        |            |                            |           |              |            |       |            |        |            |              |           |           |           |       |           |        |           |      |            |        |            |       |             |      |           |                            |          |                        |            |      |           |        |            |        |            |      |           |           |           |              |            |      |            |      |           |      |           |       |            |       |           |       |           |       |           |      |           |          |            |        |            |  |  |     |           |      |            |      |           |  |  |        |           |        |            |       |           |      |           |     |           |       |           |        |            |                     |            |     |            |             |           |       |           |          |            |  |
| P38t                                                | 7004-133-1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |            |        |           |              |           |       |            |              |            |        |           |         |           |        |           |                |            |         |            |            |            |       |            |        |             |        |            |                            |           |              |            |       |            |        |            |              |           |           |           |       |           |        |           |      |            |        |            |       |             |      |           |                            |          |                        |            |      |           |        |            |        |            |      |           |           |           |              |            |      |            |      |           |      |           |       |            |       |           |       |           |       |           |      |           |          |            |        |            |  |  |     |           |      |            |      |           |  |  |        |           |        |            |       |           |      |           |     |           |       |           |        |            |                     |            |     |            |             |           |       |           |          |            |  |
| P40s                                                | 7004-43-5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |            |        |           |              |           |       |            |              |            |        |           |         |           |        |           |                |            |         |            |            |            |       |            |        |             |        |            |                            |           |              |            |       |            |        |            |              |           |           |           |       |           |        |           |      |            |        |            |       |             |      |           |                            |          |                        |            |      |           |        |            |        |            |      |           |           |           |              |            |      |            |      |           |      |           |       |            |       |           |       |           |       |           |      |           |          |            |        |            |  |  |     |           |      |            |      |           |  |  |        |           |        |            |       |           |      |           |     |           |       |           |        |            |                     |            |     |            |             |           |       |           |          |            |  |
| P43t                                                | 7004-39-6                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |            |        |           |              |           |       |            |              |            |        |           |         |           |        |           |                |            |         |            |            |            |       |            |        |             |        |            |                            |           |              |            |       |            |        |            |              |           |           |           |       |           |        |           |      |            |        |            |       |             |      |           |                            |          |                        |            |      |           |        |            |        |            |      |           |           |           |              |            |      |            |      |           |      |           |       |            |       |           |       |           |       |           |      |           |          |            |        |            |  |  |     |           |      |            |      |           |  |  |        |           |        |            |       |           |      |           |     |           |       |           |        |            |                     |            |     |            |             |           |       |           |          |            |  |
| PU43t                                               | 7004-171-2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |            |        |           |              |           |       |            |              |            |        |           |         |           |        |           |                |            |         |            |            |            |       |            |        |             |        |            |                            |           |              |            |       |            |        |            |              |           |           |           |       |           |        |           |      |            |        |            |       |             |      |           |                            |          |                        |            |      |           |        |            |        |            |      |           |           |           |              |            |      |            |      |           |      |           |       |            |       |           |       |           |       |           |      |           |          |            |        |            |  |  |     |           |      |            |      |           |  |  |        |           |        |            |       |           |      |           |     |           |       |           |        |            |                     |            |     |            |             |           |       |           |          |            |  |
| PX43t                                               | 7004-34-2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |            |        |           |              |           |       |            |              |            |        |           |         |           |        |           |                |            |         |            |            |            |       |            |        |             |        |            |                            |           |              |            |       |            |        |            |              |           |           |           |       |           |        |           |      |            |        |            |       |             |      |           |                            |          |                        |            |      |           |        |            |        |            |      |           |           |           |              |            |      |            |      |           |      |           |       |            |       |           |       |           |       |           |      |           |          |            |        |            |  |  |     |           |      |            |      |           |  |  |        |           |        |            |       |           |      |           |     |           |       |           |        |            |                     |            |     |            |             |           |       |           |          |            |  |
| PY43d                                               | 7004-88-2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |            |        |           |              |           |       |            |              |            |        |           |         |           |        |           |                |            |         |            |            |            |       |            |        |             |        |            |                            |           |              |            |       |            |        |            |              |           |           |           |       |           |        |           |      |            |        |            |       |             |      |           |                            |          |                        |            |      |           |        |            |        |            |      |           |           |           |              |            |      |            |      |           |      |           |       |            |       |           |       |           |       |           |      |           |          |            |        |            |  |  |     |           |      |            |      |           |  |  |        |           |        |            |       |           |      |           |     |           |       |           |        |            |                     |            |     |            |             |           |       |           |          |            |  |
| PZ43t                                               | 7004-89-2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |            |        |           |              |           |       |            |              |            |        |           |         |           |        |           |                |            |         |            |            |            |       |            |        |             |        |            |                            |           |              |            |       |            |        |            |              |           |           |           |       |           |        |           |      |            |        |            |       |             |      |           |                            |          |                        |            |      |           |        |            |        |            |      |           |           |           |              |            |      |            |      |           |      |           |       |            |       |           |       |           |       |           |      |           |          |            |        |            |  |  |     |           |      |            |      |           |  |  |        |           |        |            |       |           |      |           |     |           |       |           |        |            |                     |            |     |            |             |           |       |           |          |            |  |
| P45t                                                | 7004-95-5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |            |        |           |              |           |       |            |              |            |        |           |         |           |        |           |                |            |         |            |            |            |       |            |        |             |        |            |                            |           |              |            |       |            |        |            |              |           |           |           |       |           |        |           |      |            |        |            |       |             |      |           |                            |          |                        |            |      |           |        |            |        |            |      |           |           |           |              |            |      |            |      |           |      |           |       |            |       |           |       |           |       |           |      |           |          |            |        |            |  |  |     |           |      |            |      |           |  |  |        |           |        |            |       |           |      |           |     |           |       |           |        |            |                     |            |     |            |             |           |       |           |          |            |  |
| PGJ(X)50                                            | 7004-156-2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |            |        |           |              |           |       |            |              |            |        |           |         |           |        |           |                |            |         |            |            |            |       |            |        |             |        |            |                            |           |              |            |       |            |        |            |              |           |           |           |       |           |        |           |      |            |        |            |       |             |      |           |                            |          |                        |            |      |           |        |            |        |            |      |           |           |           |              |            |      |            |      |           |      |           |       |            |       |           |       |           |       |           |      |           |          |            |        |            |  |  |     |           |      |            |      |           |  |  |        |           |        |            |       |           |      |           |     |           |       |           |        |            |                     |            |     |            |             |           |       |           |          |            |  |
| PGJY50                                              | 7004-182-1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |            |        |           |              |           |       |            |              |            |        |           |         |           |        |           |                |            |         |            |            |            |       |            |        |             |        |            |                            |           |              |            |       |            |        |            |              |           |           |           |       |           |        |           |      |            |        |            |       |             |      |           |                            |          |                        |            |      |           |        |            |        |            |      |           |           |           |              |            |      |            |      |           |      |           |       |            |       |           |       |           |       |           |      |           |          |            |        |            |  |  |     |           |      |            |      |           |  |  |        |           |        |            |       |           |      |           |     |           |       |           |        |            |                     |            |     |            |             |           |       |           |          |            |  |
|                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |          |            |        |           |              |           |       |            |              |            |        |           |         |           |        |           |                |            |         |            |            |            |       |            |        |             |        |            |                            |           |              |            |       |            |        |            |              |           |           |           |       |           |        |           |      |            |        |            |       |             |      |           |                            |          |                        |            |      |           |        |            |        |            |      |           |           |           |              |            |      |            |      |           |      |           |       |            |       |           |       |           |       |           |      |           |          |            |        |            |  |  |     |           |      |            |      |           |  |  |        |           |        |            |       |           |      |           |     |           |       |           |        |            |                     |            |     |            |             |           |       |           |          |            |  |
| R7s                                                 | 7004-92-3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |            |        |           |              |           |       |            |              |            |        |           |         |           |        |           |                |            |         |            |            |            |       |            |        |             |        |            |                            |           |              |            |       |            |        |            |              |           |           |           |       |           |        |           |      |            |        |            |       |             |      |           |                            |          |                        |            |      |           |        |            |        |            |      |           |           |           |              |            |      |            |      |           |      |           |       |            |       |           |       |           |       |           |      |           |          |            |        |            |  |  |     |           |      |            |      |           |  |  |        |           |        |            |       |           |      |           |     |           |       |           |        |            |                     |            |     |            |             |           |       |           |          |            |  |
| RX7s                                                | 7004-92A-4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |            |        |           |              |           |       |            |              |            |        |           |         |           |        |           |                |            |         |            |            |            |       |            |        |             |        |            |                            |           |              |            |       |            |        |            |              |           |           |           |       |           |        |           |      |            |        |            |       |             |      |           |                            |          |                        |            |      |           |        |            |        |            |      |           |           |           |              |            |      |            |      |           |      |           |       |            |       |           |       |           |       |           |      |           |          |            |        |            |  |  |     |           |      |            |      |           |  |  |        |           |        |            |       |           |      |           |     |           |       |           |        |            |                     |            |     |            |             |           |       |           |          |            |  |
| R17d                                                | 7004-56-2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |            |        |           |              |           |       |            |              |            |        |           |         |           |        |           |                |            |         |            |            |            |       |            |        |             |        |            |                            |           |              |            |       |            |        |            |              |           |           |           |       |           |        |           |      |            |        |            |       |             |      |           |                            |          |                        |            |      |           |        |            |        |            |      |           |           |           |              |            |      |            |      |           |      |           |       |            |       |           |       |           |       |           |      |           |          |            |        |            |  |  |     |           |      |            |      |           |  |  |        |           |        |            |       |           |      |           |     |           |       |           |        |            |                     |            |     |            |             |           |       |           |          |            |  |
|                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |          |            |        |           |              |           |       |            |              |            |        |           |         |           |        |           |                |            |         |            |            |            |       |            |        |             |        |            |                            |           |              |            |       |            |        |            |              |           |           |           |       |           |        |           |      |            |        |            |       |             |      |           |                            |          |                        |            |      |           |        |            |        |            |      |           |           |           |              |            |      |            |      |           |      |           |       |            |       |           |       |           |       |           |      |           |          |            |        |            |  |  |     |           |      |            |      |           |  |  |        |           |        |            |       |           |      |           |     |           |       |           |        |            |                     |            |     |            |             |           |       |           |          |            |  |
| SX4s/4                                              | 7004-97-2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |            |        |           |              |           |       |            |              |            |        |           |         |           |        |           |                |            |         |            |            |            |       |            |        |             |        |            |                            |           |              |            |       |            |        |            |              |           |           |           |       |           |        |           |      |            |        |            |       |             |      |           |                            |          |                        |            |      |           |        |            |        |            |      |           |           |           |              |            |      |            |      |           |      |           |       |            |       |           |       |           |       |           |      |           |          |            |        |            |  |  |     |           |      |            |      |           |  |  |        |           |        |            |       |           |      |           |     |           |       |           |        |            |                     |            |     |            |             |           |       |           |          |            |  |
| SY4s/7                                              | 7004-97A-1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |            |        |           |              |           |       |            |              |            |        |           |         |           |        |           |                |            |         |            |            |            |       |            |        |             |        |            |                            |           |              |            |       |            |        |            |              |           |           |           |       |           |        |           |      |            |        |            |       |             |      |           |                            |          |                        |            |      |           |        |            |        |            |      |           |           |           |              |            |      |            |      |           |      |           |       |            |       |           |       |           |       |           |      |           |          |            |        |            |  |  |     |           |      |            |      |           |  |  |        |           |        |            |       |           |      |           |     |           |       |           |        |            |                     |            |     |            |             |           |       |           |          |            |  |
| S5.7s                                               | 7004-62-1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |            |        |           |              |           |       |            |              |            |        |           |         |           |        |           |                |            |         |            |            |            |       |            |        |             |        |            |                            |           |              |            |       |            |        |            |              |           |           |           |       |           |        |           |      |            |        |            |       |             |      |           |                            |          |                        |            |      |           |        |            |        |            |      |           |           |           |              |            |      |            |      |           |      |           |       |            |       |           |       |           |       |           |      |           |          |            |        |            |  |  |     |           |      |            |      |           |  |  |        |           |        |            |       |           |      |           |     |           |       |           |        |            |                     |            |     |            |             |           |       |           |          |            |  |
| SX6s                                                | 7004-61-1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |            |        |           |              |           |       |            |              |            |        |           |         |           |        |           |                |            |         |            |            |            |       |            |        |             |        |            |                            |           |              |            |       |            |        |            |              |           |           |           |       |           |        |           |      |            |        |            |       |             |      |           |                            |          |                        |            |      |           |        |            |        |            |      |           |           |           |              |            |      |            |      |           |      |           |       |            |       |           |       |           |       |           |      |           |          |            |        |            |  |  |     |           |      |            |      |           |  |  |        |           |        |            |       |           |      |           |     |           |       |           |        |            |                     |            |     |            |             |           |       |           |          |            |  |
| SV7                                                 | 7004-80-7                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |            |        |           |              |           |       |            |              |            |        |           |         |           |        |           |                |            |         |            |            |            |       |            |        |             |        |            |                            |           |              |            |       |            |        |            |              |           |           |           |       |           |        |           |      |            |        |            |       |             |      |           |                            |          |                        |            |      |           |        |            |        |            |      |           |           |           |              |            |      |            |      |           |      |           |       |            |       |           |       |           |       |           |      |           |          |            |        |            |  |  |     |           |      |            |      |           |  |  |        |           |        |            |       |           |      |           |     |           |       |           |        |            |                     |            |     |            |             |           |       |           |          |            |  |
| SV8.5                                               | 7004-81-4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |            |        |           |              |           |       |            |              |            |        |           |         |           |        |           |                |            |         |            |            |            |       |            |        |             |        |            |                            |           |              |            |       |            |        |            |              |           |           |           |       |           |        |           |      |            |        |            |       |             |      |           |                            |          |                        |            |      |           |        |            |        |            |      |           |           |           |              |            |      |            |      |           |      |           |       |            |       |           |       |           |       |           |      |           |          |            |        |            |  |  |     |           |      |            |      |           |  |  |        |           |        |            |       |           |      |           |     |           |       |           |        |            |                     |            |     |            |             |           |       |           |          |            |  |
| SVX8.5                                              | 7004-81A-1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |            |        |           |              |           |       |            |              |            |        |           |         |           |        |           |                |            |         |            |            |            |       |            |        |             |        |            |                            |           |              |            |       |            |        |            |              |           |           |           |       |           |        |           |      |            |        |            |       |             |      |           |                            |          |                        |            |      |           |        |            |        |            |      |           |           |           |              |            |      |            |      |           |      |           |       |            |       |           |       |           |       |           |      |           |          |            |        |            |  |  |     |           |      |            |      |           |  |  |        |           |        |            |       |           |      |           |     |           |       |           |        |            |                     |            |     |            |             |           |       |           |          |            |  |
| SFc10-4 & SFc15.5-6                                 | 7004-160-1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |            |        |           |              |           |       |            |              |            |        |           |         |           |        |           |                |            |         |            |            |            |       |            |        |             |        |            |                            |           |              |            |       |            |        |            |              |           |           |           |       |           |        |           |      |            |        |            |       |             |      |           |                            |          |                        |            |      |           |        |            |        |            |      |           |           |           |              |            |      |            |      |           |      |           |       |            |       |           |       |           |       |           |      |           |          |            |        |            |  |  |     |           |      |            |      |           |  |  |        |           |        |            |       |           |      |           |     |           |       |           |        |            |                     |            |     |            |             |           |       |           |          |            |  |
| S14                                                 | 7004-112-1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |            |        |           |              |           |       |            |              |            |        |           |         |           |        |           |                |            |         |            |            |            |       |            |        |             |        |            |                            |           |              |            |       |            |        |            |              |           |           |           |       |           |        |           |      |            |        |            |       |             |      |           |                            |          |                        |            |      |           |        |            |        |            |      |           |           |           |              |            |      |            |      |           |      |           |       |            |       |           |       |           |       |           |      |           |          |            |        |            |  |  |     |           |      |            |      |           |  |  |        |           |        |            |       |           |      |           |     |           |       |           |        |            |                     |            |     |            |             |           |       |           |          |            |  |
| S15s & S19s                                         | 7004-60-2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |            |        |           |              |           |       |            |              |            |        |           |         |           |        |           |                |            |         |            |            |            |       |            |        |             |        |            |                            |           |              |            |       |            |        |            |              |           |           |           |       |           |        |           |      |            |        |            |       |             |      |           |                            |          |                        |            |      |           |        |            |        |            |      |           |           |           |              |            |      |            |      |           |      |           |       |            |       |           |       |           |       |           |      |           |          |            |        |            |  |  |     |           |      |            |      |           |  |  |        |           |        |            |       |           |      |           |     |           |       |           |        |            |                     |            |     |            |             |           |       |           |          |            |  |
| SK15s                                               | 7004-83-1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |            |        |           |              |           |       |            |              |            |        |           |         |           |        |           |                |            |         |            |            |            |       |            |        |             |        |            |                            |           |              |            |       |            |        |            |              |           |           |           |       |           |        |           |      |            |        |            |       |             |      |           |                            |          |                        |            |      |           |        |            |        |            |      |           |           |           |              |            |      |            |      |           |      |           |       |            |       |           |       |           |       |           |      |           |          |            |        |            |  |  |     |           |      |            |      |           |  |  |        |           |        |            |       |           |      |           |     |           |       |           |        |            |                     |            |     |            |             |           |       |           |          |            |  |
| SFa21-12                                            | 7004-159-1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |            |        |           |              |           |       |            |              |            |        |           |         |           |        |           |                |            |         |            |            |            |       |            |        |             |        |            |                            |           |              |            |       |            |        |            |              |           |           |           |       |           |        |           |      |            |        |            |       |             |      |           |                            |          |                        |            |      |           |        |            |        |            |      |           |           |           |              |            |      |            |      |           |      |           |       |            |       |           |       |           |       |           |      |           |          |            |        |            |  |  |     |           |      |            |      |           |  |  |        |           |        |            |       |           |      |           |     |           |       |           |        |            |                     |            |     |            |             |           |       |           |          |            |  |
| CONTENTS BY DESIGNATION<br>SOMMAIRE PAR DÉSIGNATION |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |          |            |        |           |              |           |       |            |              |            |        |           |         |           |        |           |                |            |         |            |            |            |       |            |        |             |        |            |                            |           |              |            |       |            |        |            |              |           |           |           |       |           |        |           |      |            |        |            |       |             |      |           |                            |          |                        |            |      |           |        |            |        |            |      |           |           |           |              |            |      |            |      |           |      |           |       |            |       |           |       |           |       |           |      |           |          |            |        |            |  |  |     |           |      |            |      |           |  |  |        |           |        |            |       |           |      |           |     |           |       |           |        |            |                     |            |     |            |             |           |       |           |          |            |  |

|  | <b>LAMP CAPS AND LAMP BASES</b><br><b>CULOTS ET SOCLES DE LAMPES</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Page 4/4 |
|--|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
|  | <div> <div> W2x4.6d<br/> W2.1x9.5d<br/> W2.5x16<br/> WU2.5x16<br/> WUU2.5x16d<br/> WUX2.5x16d<br/> WUY2.5x16d<br/> WUZ2.5x16d<br/> WX2.1x9.5d<br/> WX2.5x16<br/> WY2.5x16<br/> WZ2.5x16<br/> WZX2.5x16q<br/> WZY2.5x16q<br/> W3x16d &amp; WX3x16d<br/> W3x16q, WX3x16q &amp; WY3x16q<br/> WZ3x16q<br/> WP3.3x14.5<br/> W4.3x8.5d<br/> W10.6x8.5d<br/> <br/> X511 </div> <div> 7004-94-2<br/> 7004-91-3<br/> 7004-104-1<br/> 7004-104D-1<br/> 7004-179-1<br/> 7004-176-1<br/> 7004-177-1<br/> 7004-178-1<br/> 7004-91A-1<br/> 7004-104A-1<br/> 7004-104B-1<br/> 7004-104C-1<br/> 7004-180-1<br/> 7004-181-1<br/> 7004-105-3<br/> 7004-106-4<br/> 7004-151-2<br/> 7004-164-2<br/> 7004-115-1<br/> 7004-90-2<br/> <br/> 7004-99-2 </div> </div> |          |
|  | <b>CONTENTS BY DESIGNATION</b><br><b>SOMMAIRE PAR DÉSIGNATION</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |

INSTRUCTIONS FOR THE INSERTION OF NEW  
PAGES AND STANDARD SHEETS  
IN IEC 60061-1

1. Remove  
existing title pages (2 pages),  
existing contents (5 pages),  
existing contents by designation (4 pages) and  
existing foreword (1 page)

and insert in their place  
new title pages (4 pages),  
new contents (5 pages),  
new contents by designation (4 pages)  
and  
new foreword (2 pages).

2. Remove existing sheets

3. Remove existing sheets  
7004-21A-3 (2 pages)  
7004-24A-2 (2 pages)  
7004-26-3 (2 pages)  
and replace them with sheets

7004-21A-4 (2 pages)  
7004-24A-3 (3 pages)  
7004-26-4 (2 pages)

4. Insert new sheets

INSTRUCTIONS POUR L'INSERTION DES  
NOUVELLES PAGES ET FEUILLES DE NORMES  
DANS L'IEC 60061-1

1. Retirer  
les pages de titre existantes (2 pages),  
le sommaire existant (5 pages),  
le sommaire par désignation existant (4 pages) et  
l'avant-propos existant (1 page)

et insérer  
les nouvelles pages de titre (4 pages),  
le nouveau sommaire (5 pages),  
le nouveau sommaire par désignation (4 pages) ainsi  
que  
le nouvel avant-propos (2 pages).

2. Retirer les feuilles existantes

3. Retirer les feuilles existantes  
7004-21A-3 (2 pages)  
7004-24A-2 (2 pages)  
7004-26-3 (2 pages)  
et les remplacer par les feuilles

7004-21A-4 (2 pages)  
7004-24A-3 (3 pages)  
7004-26-4 (2 pages)

4. Insérer les nouvelles feuilles

## INTERNATIONAL ELECTROTECHNICAL COMMISSION

**LAMP CAPS AND HOLDERS TOGETHER WITH  
GAUGES FOR THE CONTROL OF INTERCHANGEABILITY  
AND SAFETY –****Part 1: Lamp caps****AMENDMENT 62****FOREWORD**

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Amendment 62 to IEC 60061-1:1969 has been prepared by subcommittee 34B: Lamp caps and holders, of IEC technical committee 34: Lightning.

The text of this Amendment is based on the following documents:

| Draft         | Report on voting |
|---------------|------------------|
| 34B/2131/FDIS | 34B/2134/RVD     |

Full information on the voting for its approval can be found in the report on voting indicated in the above table.

The language used for the development of this Amendment is English.

This document was drafted in accordance with ISO/IEC Directives, Part 2, and developed in accordance with ISO/IEC Directives, Part 1 and ISO/IEC Directives, IEC Supplement, available at [www.iec.ch/members\\_experts/refdocs](http://www.iec.ch/members_experts/refdocs). The main document types developed by IEC are described in greater detail at [www.iec.ch/standardsdev/publications/](http://www.iec.ch/standardsdev/publications/).

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## COMMISSION ÉLECTROTECHNIQUE INTERNATIONALE

# CULOTS DE LAMPES ET DOUILLES AINSI QUE CALIBRES POUR LE CONTRÔLE DE L'INTERCHANGEABILITÉ ET DE LA SÉCURITÉ –

## Partie 1: Culots de lampes

### AMENDEMENT 62

#### AVANT-PROPOS

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L'Amendement 62 de l'IEC 60061-1:1969 a été établi par le sous-comité 34B: Culots et douilles, du comité d'études 34 de l'IEC: Éclairage.

Le texte de cet Amendement est issu des documents suivants:

| Projet        | Rapport de vote |
|---------------|-----------------|
| 34B/2131/FDIS | 34B/2134/RVD    |

Le rapport de vote indiqué dans le tableau ci-dessus donne toute information sur le vote ayant abouti à son approbation.

La langue employée pour l'élaboration de cet Amendement est l'anglais.

Ce document a été rédigé selon les Directives ISO/IEC, Partie 2, il a été développé selon les Directives ISO/IEC, Partie 1 et les Directives ISO/IEC, Supplément IEC, disponibles sous [www.iec.ch/members\\_experts/refdocs](http://www.iec.ch/members_experts/refdocs). Les principaux types de documents développés par l'IEC sont décrits plus en détail sous [www.iec.ch/standardsdev/publications/](http://www.iec.ch/standardsdev/publications/).

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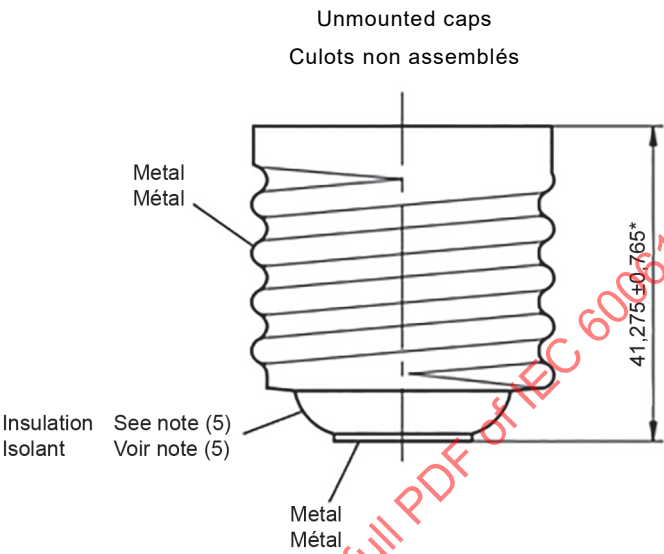
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SCREW CAPS  
CULOTS À VIS  
E39

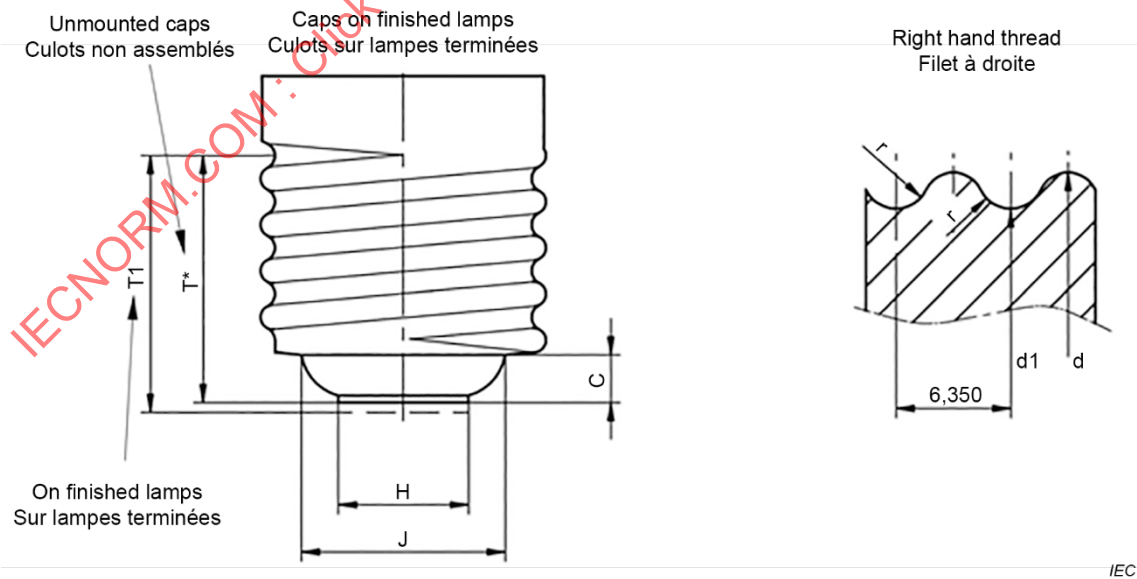
Dimensions in millimetres – Dimensions en millimètres

The drawing is intended only to illustrate the dimensions essential for interchangeability.  
Le dessin a pour seul but d'illustrer les dimensions essentielles pour l'interchangeabilité.

For details of holders E39, see sheet 7005-24A.  
Pour les détails des douilles E39, voir la feuille 7005-24A.



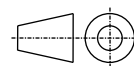
Lamps with E39 cap dimensions will not fit holders made to European standard dimensions (E40).  
Caps may be made with a flare the diameter of which shall be not more than 40,26 mm.  
Les lampes munies d'un culot E39 ne conviennent pas aux types de douilles fabriquées selon les dimensions européennes normalisées (E40).  
Les culots peuvent comporter un évasement, à condition que le diamètre de cet évasement n'excède pas 40,26 mm.



## SCREW CAPS

## CULOTS À VIS

## E39



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Dimensions in millimetres – Dimensions en millimètres

| Standard dimensions<br>Dimensions normalisées |                                          |       |                                                       |       |
|-----------------------------------------------|------------------------------------------|-------|-------------------------------------------------------|-------|
| Dimension                                     | Unmounted caps*<br>Culots non assemblés* |       | Caps on finished lamps<br>Culots sur lampes terminées |       |
|                                               | Min.                                     | Max.  | Min.                                                  | Max.  |
| C                                             | 4,75                                     | -     | 4,75                                                  | -     |
| H (1)                                         | 13,46                                    | 15,11 | 13,46                                                 | 15,11 |
| J (6)                                         | 24,10                                    | -     | -                                                     | -     |
| T (2)                                         | 30,10                                    | -     | -                                                     | -     |
| T1 (3)                                        | -                                        | -     | 30,23                                                 | -     |
| d                                             | 39,04                                    | 39,44 | 39,04                                                 | 39,56 |
| d1                                            | -                                        | 36,90 | -                                                     | 37,02 |
| r (4)                                         | 2,301                                    |       | 2,301                                                 |       |

\* These dimensions are solely for cap design and are not to be gauged on the finished lamp.

(1) This dimension is checked with a millimetre scale.

(2) "T" is the distance from the contact plate of the unmounted cap to the completion of the thread.

(3) "T1" is the distance from the contact plate of the cap on finished lamps to the completion of the thread.

(4) This dimension, which is derived from the theoretical thread profile, is for gauge design and is not to be gauged on the cap.

(5) The shape of the insulator is optional.

(6) Dimension  $J_{min}$  is established to prevent the passage of E39 cap insulation through ring-shaped intermediate contacts in E39d (under consideration) holders.

\* Ces dimensions ne s'appliquent qu'au culot et n'ont pas à être vérifiées sur la lampe terminée.

(1) Cette dimension est vérifiée avec une règle millimétrée.

(2) "T" est la distance qui sépare la plaquette de contact sur culot non assemblé de l'endroit où aboutit le filetage.

(3) "T1" est la distance qui sépare la plaquette de contact sur lampes terminées de l'endroit où aboutit le filetage.

(4) Cette dimension est dérivée du profil théorique du filetage et s'applique au calibre, et elle ne doit pas être vérifiée sur le culot.

(5) La forme de l'isolant est facultative.

(6) La dimension  $J_{min}$  est destinée à éviter le passage de l'isolant du culot E39 à travers les contacts circulaires intermédiaires des douilles E39d (à l'étude).

## GAUGING

Caps E39 on finished lamps shall fulfil the tests of the gauges shown on sheets 7006-24A, 7006-24B and 7006-24C.

## VÉRIFICATION

Les culots E39 sur lampes terminées doivent satisfaire aux essais avec les calibres selon les feuilles 7006-24A, 7006-24B et 7006-24C.

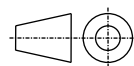
## SYSTEM REQUIREMENTS

For E39 based products, i.e. lamps and any associated attachment provided by the lamp manufacturer, the mass shall not exceed 1,50 kg and the bending moment imparted by the lamp at the lampholder shall not exceed 2,05 Nm.

These upper limits may be exceeded if the lamp and its accessories are:

- used for luminaires with additional support reducing the lamp mass and bending moment below limits to the lampholder, or,
- used with the combination of lampholder and luminaires designed to hold the lamp mass and/or bending moment that exceeds the limits.

In North America where a deviation is specified in UL1993 for E39-based products, i.e. lamps and any associated attachment provided by the lamp manufacturer, the mass shall not exceed 1,70 kg.

**SCREW CAPS****CULOTS À VIS****E39**

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**EXIGENCES DU SYSTÈME**

Pour les produits à embase E39, c'est-à-dire les lampes et toute fixation associée fournie par le fabricant de la lampe, la masse ne doit pas dépasser 1,50 kg et le moment de flexion appliqué par la lampe à la douille ne doit pas dépasser 2,05 Nm.

Ces limites maximales peuvent être dépassées si la lampe et ses accessoires sont:

- utilisés pour des luminaires avec un support supplémentaire qui réduit la masse de la lampe et le moment de flexion en dessous des limites de la douille, ou,
- utilisés avec une combinaison douille/luminaires conçue pour contenir la masse de la lampe et/ou le moment de flexion lorsque ces limites sont dépassées.

En Amérique du Nord, lorsqu'un écart est spécifié dans la norme UL1993 pour les produits à embase E39, c'est-à-dire les lampes et toute fixation associée fournie par le fabricant de la lampe, la masse ne doit pas dépasser 1,70 kg.

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