



### **Garniture Mécanique 107-53-L4 BQEFF**

-Garniture Mécanique complète à soufflet, non équilibrée, ressort simple, sens de rotation indépendant. -Pour Arbre Ø 53mm -Carbure Silicium/Graphite Carbone/EPDM -Grain Fixe Ø 69.3 mm joint "L" EPDM



**Marque :** LIDERING

**Référence :** 107-53-L4 BQEFF

#### **Critères associés :**

*Type de fluide :* Eau claire, Eaux usées

*Environnement :* Collectivité, Industrie (Triphasée)

*Type de produit :* Pompes

*Type de technologie :* Arrosage - Adduction

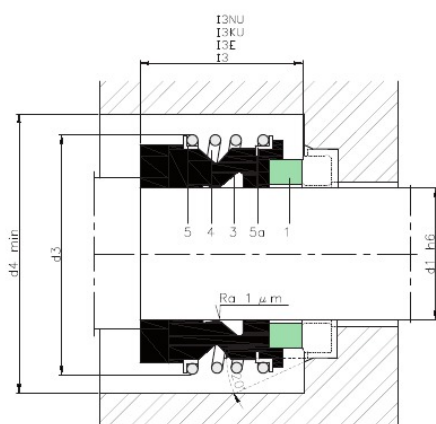
**Garniture Mécanique 107-53-L4 BQEFF**

## 107 -107E - 107KU - 107NU



### COMPOSANTS :

- 1 Face de frottement rotative
- 3 Soufflet
- 4 Ressort
- 5 Bague
- 5a Bague



### SECTEURS :



### CARACTÉRISTIQUES :

- Non équilibré.
- Sens de rotation indépendant.
- Ressort simple cylindrique.

### LIMITES DE FONCTIONNEMENT :

$d_1 = 10 \div 100 \text{ mm}$        $p = 12 \text{ kg/cm}^2$   
 $v = 10 \text{ m/s}$        $t = -15 \div +200^\circ\text{C}$  (\*)

(\*) La résistance à la température est conditionnée par le matériau des joints secondaires utilisés.

Les limites de fonctionnement se trouvent conditionnées par le facteur PV, qui est déterminé aussi bien par les caractéristiques du système d'étanchéification que par celles de l'application.

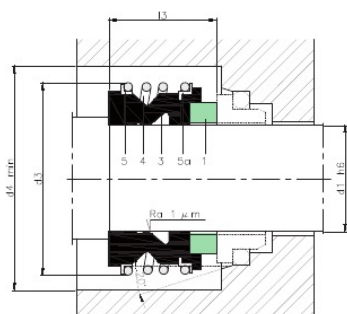
### DESCRIPTION :

Garniture mécanique simple très utilisée dans une grande variété d'applications industrielles et domestiques.

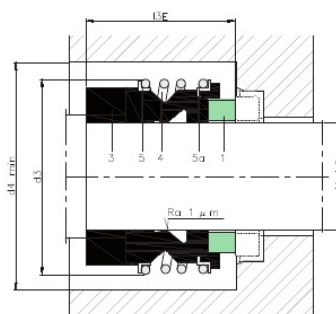
Les différentes variantes du type 107 peuvent se combiner avec une grande variété de parties fixes, ce qui augmente sa polyvalence, par combinaison de matériaux et de longueurs de service.

107KU -L6 / 107KU-L60 : dimensions homologuées selon la norme EN 12756 (KU).

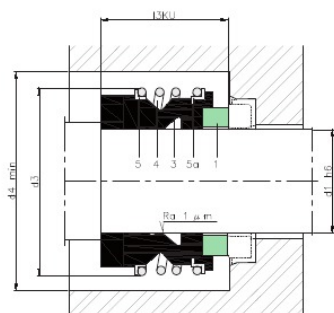
107NU -L6 / 107NU-L60 : dimensions homologuées selon la norme EN 12756 (NU).



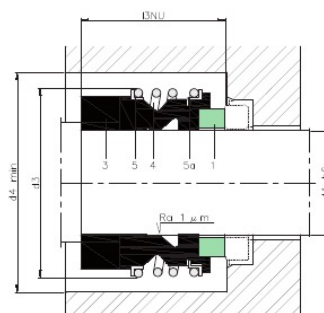
TYPE 107



TYPE 107 E



TYPE 107 KU



TYPE 107 NU

Tolérance  $l_1$   $d_1$  10... 12 mm  $\pm 0.5$ ; 14... 18 mm  $\pm 1.0$ ; 20... 25 mm  $\pm 1.5$ ; 28... 100 mm  $\pm 2.0$

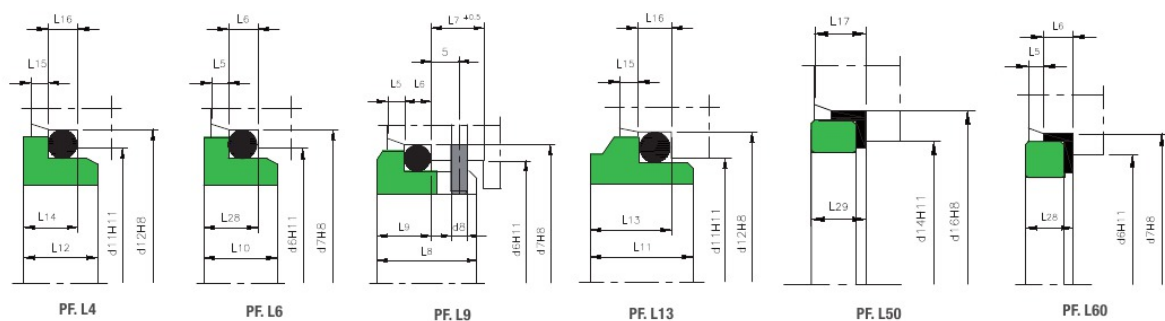
## TABLEAU DES DIMENSIONS 107 - 107 E - 107 KU - 107 NU

Dimensions en mm

| Arbre<br>mm | Partie rotative |                |                |                 |                  |                  | Partie fixe    |                |                |                 |                 |                 |                 |                |                |                |                |                |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |  |
|-------------|-----------------|----------------|----------------|-----------------|------------------|------------------|----------------|----------------|----------------|-----------------|-----------------|-----------------|-----------------|----------------|----------------|----------------|----------------|----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|--|
|             | d <sub>3</sub>  | d <sub>4</sub> | l <sub>3</sub> | l <sub>3E</sub> | l <sub>3KU</sub> | l <sub>3NU</sub> | d <sub>6</sub> | d <sub>7</sub> | d <sub>8</sub> | d <sub>11</sub> | d <sub>12</sub> | d <sub>14</sub> | d <sub>16</sub> | l <sub>5</sub> | l <sub>6</sub> | l <sub>7</sub> | l <sub>8</sub> | l <sub>9</sub> | l <sub>10</sub> | l <sub>11</sub> | l <sub>12</sub> | l <sub>13</sub> | l <sub>14</sub> | l <sub>15</sub> | l <sub>16</sub> | l <sub>17</sub> | l <sub>28</sub> | l <sub>29</sub> |  |
| 10          | 22.5            | 25.0           | 14.5           | 25              | 25.9             | 33.4             | 17             | 21             | 3              | 15.5            | 19.2            | 11.0            | 24.60           | 1.5            | 4              | 8.5            | 17.5           | 10.0           | 7.5             | --              | 7.5             | --              | 6.6             | 1.2             | 3.8             | 7.5             | 6.6             | 9.0             |  |
| 12          | 25.0            | 27.5           | 15.0           | 25              | 25.9             | 33.4             | 19             | 23             | 3              | 17.5            | 21.6            | 13.5            | 27.80           | 1.5            | 4              | 8.5            | 17.5           | 10.0           | 7.5             | --              | 6.5             | --              | 5.6             | 1.2             | 3.8             | 7.5             | 6.6             | 9.0             |  |
| 14          | 28.5            | 32.0           | 17.0           | 25              | 28.4             | 33.4             | 21             | 25             | 3              | 20.5            | 24.6            | 17.0            | 30.95           | 1.5            | 4              | 8.5            | 17.5           | 10.0           | 7.5             | --              | 6.5             | --              | 5.6             | 1.2             | 3.8             | 9.0             | 6.6             | 10.5            |  |
| 15          | 28.5            | 32.0           | 17.0           | 25              | --               | --               | --             | --             | --             | 20.5            | 24.6            | 17.0            | 30.95           | --             | --             | --             | --             | --             | --              | --              | 7.5             | --              | 6.6             | 1.2             | 3.8             | 9.0             | --              | 10.5            |  |
| 16          | 28.5            | 32.0           | 17.0           | 25              | 28.4             | 33.4             | 23             | 27             | 3              | 22.0            | 28.0            | 17.0            | 30.95           | 1.5            | 4              | 8.5            | 17.5           | 10.0           | 7.5             | --              | 8.5             | --              | 7.5             | 1.5             | 5.0             | 9.0             | 6.6             | 10.5            |  |
| 18          | 32.0            | 34.5           | 19.5           | 25              | 30.0             | 37.5             | 27             | 33             | 3              | 24.0            | 30.0            | 20.0            | 34.15           | 2.0            | 5              | 9.0            | 19.5           | 11.5           | 8.5             | 12.5            | 9.0             | 10.0            | 8.0             | 1.5             | 5.0             | 9.0             | 7.5             | 10.5            |  |
| 20          | 37.0            | 39.5           | 21.5           | 25              | 30.0             | 37.5             | 29             | 35             | 3              | 29.5            | 35.0            | 21.5            | 35.70           | 2.0            | 5              | 9.0            | 19.5           | 11.5           | 8.5             | 12.5            | 8.5             | 9.5             | 7.5             | 1.5             | 5.0             | 9.0             | 7.5             | 10.5            |  |
| 22          | 37.0            | 39.5           | 21.5           | 25              | 30.0             | 37.5             | 31             | 37             | 3              | 29.5            | 35.0            | 23.0            | 37.30           | 2.0            | 5              | 9.0            | 19.5           | 11.5           | 8.5             | 12.5            | 8.5             | 9.5             | 7.5             | 1.5             | 5.0             | 9.0             | 7.5             | 10.5            |  |
| 24          | 42.5            | 45.0           | 22.5           | 25              | 32.5             | 42.5             | 33             | 39             | 3              | 32.0            | 38.0            | 26.5            | 40.50           | 2.0            | 5              | 9.0            | 19.5           | 11.5           | 8.5             | 12.5            | 8.5             | 9.5             | 7.5             | 1.5             | 5.0             | 9.0             | 7.5             | 10.5            |  |
| 25          | 42.5            | 45.0           | 23.0           | 25              | 32.5             | 42.5             | 34             | 40             | 3              | 32.0            | 38.0            | 26.5            | 40.50           | 2.0            | 5              | 9.0            | 19.5           | 11.5           | 8.5             | 12.5            | 8.5             | 9.5             | 7.5             | 1.5             | 5.0             | 9.0             | 7.5             | 10.5            |  |
| 28          | 49.0            | 51.5           | 26.5           | 33              | 35.0             | 42.5             | 37             | 43             | 3              | 36.0            | 42.0            | 29.5            | 47.65           | 2.0            | 5              | 9.0            | 19.5           | 11.5           | 8.5             | 14.0            | 10.0            | 11.0            | 9.0             | 1.5             | 5.0             | 10.5            | 7.5             | 12.0            |  |
| 30          | 49.0            | 51.5           | 26.5           | 33              | 35.0             | 42.5             | 39             | 45             | 3              | 39.2            | 45.0            | 32.5            | 50.80           | 2.0            | 5              | 9.0            | 19.5           | 11.5           | 8.5             | 14.0            | 11.5            | 11.0            | 10.5            | 1.5             | 5.0             | 10.5            | 7.5             | 12.0            |  |
| 32          | 53.5            | 56.0           | 27.5           | 33              | 35.0             | 47.5             | 42             | 48             | 3              | 42.2            | 48.0            | 32.5            | 50.80           | 2.0            | 5              | 9.0            | 19.5           | 11.5           | 8.5             | 14.0            | 11.5            | 11.0            | 10.5            | 1.5             | 5.0             | 10.5            | 7.5             | 12.0            |  |
| 33          | 53.5            | 56.0           | 27.5           | 33              | 35.0             | 47.5             | 42             | 48             | 3              | 44.2            | 50.0            | 36.5            | 54.00           | 2.0            | 5              | 9.0            | 19.5           | 11.5           | 8.5             | 14.5            | 12.0            | 11.5            | 11.0            | 1.5             | 5.0             | 10.5            | 7.5             | 12.0            |  |
| 35          | 57.0            | 59.5           | 28.5           | 33              | 35.0             | 47.5             | 44             | 50             | 3              | 46.2            | 52.0            | 36.5            | 54.00           | 2.0            | 5              | 9.0            | 19.5           | 11.5           | 8.5             | 14.5            | 12.0            | 11.5            | 11.0            | 1.5             | 5.0             | 10.5            | 7.5             | 12.0            |  |
| 38          | 59.0            | 61.5           | 30.0           | 33              | 36.0             | 46.0             | 49             | 56             | 4              | 49.2            | 55.0            | 39.5            | 57.15           | 2.0            | 6              | 9.0            | 22.0           | 14.0           | 10.0            | 14.5            | 11.3            | 11.5            | 10.3            | 1.5             | 5.0             | 10.5            | 9.0             | 12.0            |  |
| 40          | 62.0            | 64.5           | 30.0           | 33              | 36.0             | 46.0             | 51             | 58             | 4              | 52.2            | 58.0            | 42.5            | 60.35           | 2.0            | 6              | 9.0            | 22.0           | 14.0           | 10.0            | 14.5            | 11.8            | 11.5            | 10.8            | 1.5             | 5.0             | 10.5            | 9.0             | 12.0            |  |
| 43          | 65.5            | 68.0           | 30.0           | 41              | 36.0             | 51.0             | 54             | 61             | 4              | 53.3            | 62.0            | 46.0            | 63.50           | 2.0            | 6              | 9.0            | 22.0           | 14.0           | 10.0            | 17.0            | 13.2            | 14.3            | 12.0            | 2.0             | 6.0             | 10.5            | 9.0             | 12.0            |  |
| 45          | 68.0            | 70.5           | 30.0           | 41              | 36.0             | 51.0             | 56             | 63             | 4              | 55.3            | 64.0            | 46.0            | 63.50           | 2.0            | 6              | 9.0            | 22.0           | 14.0           | 10.0            | 17.0            | 12.8            | 14.3            | 11.6            | 2.0             | 6.0             | 10.5            | 9.0             | 12.0            |  |
| 48          | 70.5            | 73.0           | 30.5           | 41              | 36.0             | 51.0             | 59             | 66             | 4              | 59.7            | 68.4            | 49.0            | 66.70           | 2.0            | 6              | 9.0            | 22.0           | 14.0           | 10.0            | 17.0            | 12.8            | 14.3            | 11.6            | 2.0             | 6.0             | 10.5            | 9.0             | 12.0            |  |
| 50          | 74.0            | 74.5           | 30.5           | 41              | 38.0             | 50.5             | 62             | 70             | 4              | 60.8            | 69.3            | 52.0            | 69.85           | 2.5            | 6              | 9.0            | 23.0           | 15.0           | 10.5            | 17.0            | 12.8            | 14.3            | 11.6            | 2.0             | 6.0             | 12.0            | 9.5             | 13.5            |  |
| 53          | 78.5            | 82.5           | 33.0           | 41              | 36.5             | 59.0             | 65             | 73             | 4              | 63.8            | 72.3            | 55.5            | 73.05           | 2.5            | 6              | 9.0            | 23.0           | 15.0           | 12.0            | 17.0            | 13.5            | 14.3            | 12.3            | 2.0             | 6.0             | 12.0            | 11.0            | 13.5            |  |
| 55          | 81.0            | 85.5           | 35.0           | 41              | 36.5             | 59.0             | 67             | 75             | 4              | 66.5            | 75.4            | 58.5            | 76.20           | 2.5            | 6              | 9.0            | 23.0           | 15.0           | 12.0            | 18.0            | 14.5            | 15.3            | 13.3            | 2.0             | 6.0             | 12.0            | 11.0            | 13.5            |  |
| 58          | 85.5            | 89.5           | 37.0           | 41              | 41.5             | 59.0             | 70             | 78             | 4              | 69.5            | 78.4            | 61.5            | 79.40           | 2.5            | 6              | 9.0            | 23.0           | 15.0           | 12.0            | 18.0            | 14.5            | 15.3            | 13.3            | 2.0             | 6.0             | 12.0            | 11.0            | 13.5            |  |
| 60          | 85.5            | 92.5           | 38.0           | 41              | 41.5             | 59.0             | 72             | 80             | 4              | 71.5            | 80.4            | 61.5            | 79.40           | 2.5            | 6              | 9.0            | 23.0           | 15.0           | 12.0            | 18.0            | 14.5            | 15.3            | 13.3            | 2.0             | 6.0             | 12.0            | 11.0            | 13.5            |  |
| 65          | 93.5            | 97.5           | 40.0           | 49              | 41.5             | 69.0             | 77             | 85             | 4              | 76.5            | 85.4            | 68.0            | 92.10           | 2.5            | 6              | 9.0            | 23.0           | 15.0           | 12.0            | 18.0            | 14.2            | 15.3            | 13.0            | 2.0             | 6.0             | 14.5            | 11.0            | 16.0            |  |
| 68          | 96.5            | 100.5          | 40.0           | 49              | 41.2             | 68.7             | 81             | 90             | 4              | 82.7            | 91.5            | 71.0            | 95.25           | 2.5            | 7              | 9.0            | 26.2           | 18.0           | 12.5            | 19.0            | 14.9            | 16.0            | 13.7            | 2.0             | 6.0             | 14.5            | 11.3            | 16.0            |  |
| 70          | 99.5            | 103.5          | 40.0           | 49              | 48.7             | 68.7             | 83             | 92             | 4              | 83.0            | 92.0            | 71.0            | 95.25           | 2.5            | 7              | 9.0            | 26.2           | 18.0           | 12.5            | 18.0            | 14.2            | 15.3            | 13.0            | 2.0             | 6.0             | 14.5            | 11.3            | 16.0            |  |
| 75          | 107.0           | 111.0          | 40.0           | 52              | 48.7             | 68.7             | 88             | 97             | 4              | 90.2            | 99.0            | 77.5            | 101.60          | 2.5            | 7              | 9.0            | 26.2           | 18.0           | 12.5            | 18.0            | 15.2            | 15.3            | 14.0            | 2.0             | 6.0             | 14.5            | 11.3            | 16.0            |  |
| 80          | 112.0           | 116.0          | 40.0           | 56              | 48.0             | 78.0             | 95             | 105            | 4              | 95.2            | 104.0           | 84.0            | 114.30          | 3.0            | 7              | 9.0            | 26.2           | 18.2           | 13.0            | 19.0            | 16.2            | 16.3            | 15.0            | 2.0             | 6.0             | 18.5            | 12.0            | 20.0            |  |
| 85          | 120.0           | 124.0          | 41.0           | 56              | 46.0             | 76.0             | 100            | 110            | 4              | 100.2           | 109.0           | 87.0            | 117.50          | 3.0            | 7              | 9.0            | 26.2           | 18.2           | 15.0            | 19.0            | 16.0            | 16.3            | 14.8            | 2.0             | 6.0             | 18.5            | 14.0            | 20.0            |  |
| 90          | 127.0           | 131.0          | 45.0           | 59              | 51.0             | 76.0             | 105            | 115            | 4              | 105.2           | 114.0           | 93.5            | 123.85          | 3.0            | 7              | 9.0            | 26.2           | 18.2           | 15.0            | 19.0            | 16.0            | 16.3            | 14.8            | 2.0             | 6.0             | 18.5            | 14.0            | 20.0            |  |
| 95          | 132.0           | 136.0          | 46.0           | 59              | 51.0             | 76.0             | 110            | 120            | 4              | 111.6           | 120.3           | 96.5            | 127.00          | 3.0            | 7              | 9.0            | 25.2           | 17.2           | 15.0            | 20.0            | 17.0            | 17.3            | 15.8            | 2.0             | 6.0             | 18.5            | 14.0            | 20.0            |  |
| 100         | 137.0           | 141.0          | 47.0           | 59              | 51.0             | 76.0             | 115            | 125            | 4              | 114.5           | 123.3           | 103.0           | 133.35          | 3.0            | 7              | 9.0            | 25.2           | 17.2           | 15.0            | 20.0            | 17.0            | 17.3            | 15.8            | 2.0             | 6.0             | 18.5            | 14.0            | 20.0            |  |

Dimensions sujettes à variations ou à modifications.

## Types usuels de parties fixes :



[Lien vers la fiche du produit](#)