

(Création 12 avril 2023, en cours de rédaction)

Sources des illustrations ???

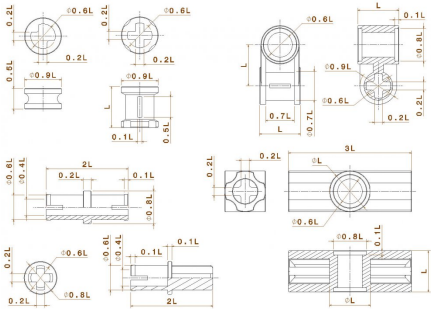
Technical drawing showing various mechanical parts and their dimensions in millimeters (mm). The parts are labeled L2 through L12, and the dimensions are given in mm.

Parts and Dimensions:

- L2:** Shaft with diameter $\varnothing 6.92$ and length 15.8.
- L3:** Shaft with diameter $\varnothing 4.74$ and length 23.7.
- L3b:** Shaft with diameter $\varnothing 2.37$ and length 23.7 + 2.37.
- L4:** Shaft with diameter $\varnothing 1.58$ and length 31.6.
- L5:** Shaft with diameter $\varnothing 0.79$ and length 39.5.
- L5, 5b:** Shaft with diameter $\varnothing 0.79$ and length 43.45.
- L6:** Shaft with diameter $\varnothing 0.16$ and length 47.4.
- L7:** Shaft with diameter $\varnothing 0.16$ and length 55.3.
- L8:** Shaft with diameter $\varnothing 0.16$ and length 63.2.
- L10:** Shaft with diameter $\varnothing 0.16$ and length 79.
- L12:** Shaft with diameter $\varnothing 0.16$ and length 94.8.

Other parts and dimensions:

- Part 1:** Flange with outer diameter $\varnothing 0.9L$, inner diameter $\varnothing 0.6L$, and thickness $0.2L$. It has a central hole with diameter $\varnothing 0.1L$ and four smaller holes with diameter $\varnothing 0.1L$.
- Part 2:** Flange with outer diameter $\varnothing 0.9L$, inner diameter $\varnothing 0.6L$, and thickness $0.2L$. It has a central hole with diameter $\varnothing 0.1L$ and four smaller holes with diameter $\varnothing 0.1L$.
- Part 3:** Flange with outer diameter $\varnothing 0.9L$, inner diameter $\varnothing 0.6L$, and thickness $0.2L$. It has a central hole with diameter $\varnothing 0.1L$ and four smaller holes with diameter $\varnothing 0.1L$.
- Part 4:** Flange with outer diameter $\varnothing 0.9L$, inner diameter $\varnothing 0.6L$, and thickness $0.2L$. It has a central hole with diameter $\varnothing 0.1L$ and four smaller holes with diameter $\varnothing 0.1L$.
- Part 5:** Flange with outer diameter $\varnothing 0.9L$, inner diameter $\varnothing 0.6L$, and thickness $0.2L$. It has a central hole with diameter $\varnothing 0.1L$ and four smaller holes with diameter $\varnothing 0.1L$.
- Part 6:** Flange with outer diameter $\varnothing 0.9L$, inner diameter $\varnothing 0.6L$, and thickness $0.2L$. It has a central hole with diameter $\varnothing 0.1L$ and four smaller holes with diameter $\varnothing 0.1L$.
- Part 7:** Flange with outer diameter $\varnothing 0.9L$, inner diameter $\varnothing 0.6L$, and thickness $0.2L$. It has a central hole with diameter $\varnothing 0.1L$ and four smaller holes with diameter $\varnothing 0.1L$.
- Part 8:** Flange with outer diameter $\varnothing 0.9L$, inner diameter $\varnothing 0.6L$, and thickness $0.2L$. It has a central hole with diameter $\varnothing 0.1L$ and four smaller holes with diameter $\varnothing 0.1L$.
- Part 9:** Flange with outer diameter $\varnothing 0.9L$, inner diameter $\varnothing 0.6L$, and thickness $0.2L$. It has a central hole with diameter $\varnothing 0.1L$ and four smaller holes with diameter $\varnothing 0.1L$.
- Part 10:** Flange with outer diameter $\varnothing 0.9L$, inner diameter $\varnothing 0.6L$, and thickness $0.2L$. It has a central hole with diameter $\varnothing 0.1L$ and four smaller holes with diameter $\varnothing 0.1L$.
- Part 11:** Flange with outer diameter $\varnothing 0.9L$, inner diameter $\varnothing 0.6L$, and thickness $0.2L$. It has a central hole with diameter $\varnothing 0.1L$ and four smaller holes with diameter $\varnothing 0.1L$.
- Part 12:** Flange with outer diameter $\varnothing 0.9L$, inner diameter $\varnothing 0.6L$, and thickness $0.2L$. It has a central hole with diameter $\varnothing 0.1L$ and four smaller holes with diameter $\varnothing 0.1L$.



Modélisaiton 3D et Lego

Acheter des Lego

Hors des points de vente classiques de Leo, on peut également trouver des briques à l'unité ou par lot sur les sites de secodne main (leboncoin, ebay) mais aussi sur des “places de marché” spécialisées qui regroupent des boutiques.

Pièces Lego technic sur mesures

Conception en ligne : <https://marian42.de/partdesigner/>

Ou modules pour OpenSCAD : <https://github.com/paulirotta/PELA-blocks>

Lego et électronique

Pièces de montage pour cartes à microcontôleur (arduino, etc.) : <https://github.com/paulirotta/PELA-blocks>

Bloc arduino / Lego (non testé) : <https://www.thingiverse.com/thing:3732206>

Ressources

Notices de montage officielles : ?

Divers

- <https://hackaday.com/2022/12/20/more-detail-on-that-fantastic-lego-oled-brick/>

Article extrait de : <https://lesporteslogiques.net/wiki/> - **WIKI Les Portes Logiques**

Adresse : https://lesporteslogiques.net/wiki/materiel/systeme_lego/start?rev=1686134577

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