

# Go to the “stats panel”

The screenshot displays the user interface of the igus roboLink Designer software. At the top left, the logo for 'igus' and 'roboLink® Designer plastics for longer life®' is visible. The top right corner contains navigation links for 'Settings', 'My configuration', and 'Contact'. Below this is an orange navigation bar with tabs for 'Construction', 'Movement', 'Part List', and a 'stats panel' icon (a bar chart) which is highlighted with a red box and a mouse cursor. To the right of the navigation bar is a 'Request a Quote' button. The main workspace is divided into three sections: 'Composition' on the left with an information icon and text 'Get started by choosing a base joint from the panel on the right.', a large central area for the 3D model, and a 'Next Part' panel on the right. The 'Next Part' panel lists four different rotation joint options with corresponding 3D model images and brief descriptions. At the bottom center, there are links for 'Imprint' and 'Data Privacy'.

igus roboLink® Designer plastics for longer life®

Settings My configuration Contact

Construction Movement Part List stats panel Request a Quote

**Composition**

Get started by choosing a base joint from the panel on the right.

**Next Part**

**RL-D 50 Rotation Joint**

Large asymmetric RL-D 50 rotation joint with a mounting box

**RL-D 50 Rotation Joint**

Large, asymmetric RL-D 30 rotation joint with a base plate

**RL-D 30 Rotation Joint**

Small, asymmetric RL-D 30 rotation joint with a mounting box

**RL-D 30 Rotation Joint**

Small asymmetric RL-D 30 rotation joint with a

Imprint Data Privacy

# Confirm the igus® liability disclaimer

## Exclusion of liability



Please accept the igus disclaimer in order to proceed to the results of the calculation.

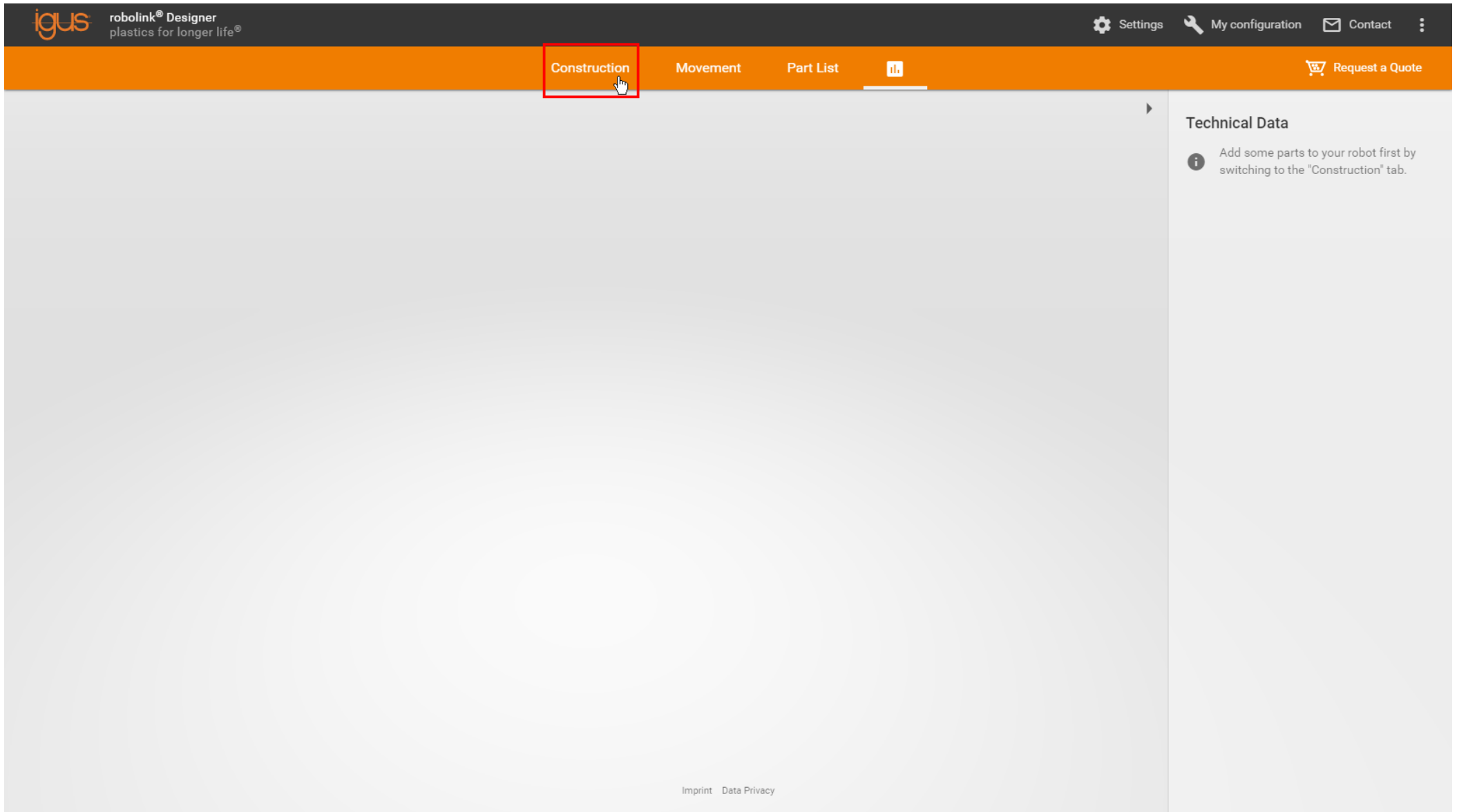
The information on the igus® website, in igus® apps, as well as CAD data are based on our present knowledge of the described products. No legally binding assurance in respect of characteristics or suitability for a specific application can be derived from it. igus® assumes no liability for damage resulting from use of the products. igus® assumes no liability for the topicality, correctness, completeness or quality of information provided. Our offers are exclusively directed to traders / resellers. All specified prices are net prices. The applicable VAT and shipping costs are also applied. Withdrawal of declaration of intent of the buyer and return of goods are excluded. We recommend that you always check the suitability of the products for a specific intended application in a practical test. We look forward to offering our consultation. Due to constant technical development, we reserve the right at all times to make technical changes and improvements to the products.

I do not agree

Yes, I agree



# Go back to the “construction panel”



# Start your configuration ... see now the 2 range indicators at the bottom

The screenshot displays the igus roboLink Designer web interface. At the top, the logo and navigation links (Settings, My configuration, Contact) are visible. Below the navigation bar, the main configuration area is titled 'Composition' and contains a 3D model of a rotation joint assembly. To the right, a 'Next Part' sidebar lists four options: RL-D 50 Rotation Joint (Large asymmetric RL-D 50 rotation joint with a mounting box), RL-D 50 Rotation Joint (Large, asymmetric RL-D 30 rotation joint with a base plate), RL-D 30 Rotation Joint (Small, asymmetric RL-D 30 rotation joint with a mounting box), and RL-D 30 Rotation Joint (Small asymmetric RL-D 30 rotation joint with a). At the bottom of the main area, two range indicators are shown: 'Maximum load' at 0.00kg and 'Reach' at 0mm. A red box highlights the 'Next Part' sidebar.

**Composition**

Get started by choosing a base joint from the panel on the right.

**Next Part**

**RL-D 50 Rotation Joint**  
Large asymmetric RL-D 50 rotation joint with a mounting box

**RL-D 50 Rotation Joint**  
Large, asymmetric RL-D 30 rotation joint with a base plate

**RL-D 30 Rotation Joint**  
Small, asymmetric RL-D 30 rotation joint with a mounting box

**RL-D 30 Rotation Joint**  
Small asymmetric RL-D 30 rotation joint with a

Maximum load  
0.00kg

Reach  
0mm

Imprint Data Privacy

# Those values depend on the used parts ...

The screenshot displays the igus roboLink Designer software interface. The top navigation bar includes 'Settings', 'My configuration', and 'Contact'. Below this, a secondary bar contains 'Construction', 'Movement', 'Part List', and a 'Request a Quote' button. The main interface is divided into three sections:

- Composition:** A sidebar on the left with expandable sections for 'RL-D 50 Rotation Joint', 'RL-D 50 Pivot Joint', 'RL-D 30 Pivot Joint', and 'Encoder'. Each section contains dropdown menus for 'Motor Kit' (e.g., NEMA 23XL, NEMA 23) and a slider for 'Length of Connection [mm]' (set to 350).
- 3D Model:** A central 3D rendering of a robotic arm assembly.
- Specifications:** Two horizontal progress bars at the bottom of the model area: 'Maximum load' at 4.16kg and 'Reach' at 620mm.
- Next Part:** A sidebar on the right, highlighted with a red border, listing available components: 'RL-D 20 Pivot Joint' (Small RL-D 20 pivot joint with connection part), 'SCHUNK SGB 32 Gripper' (SCHUNK gripper with connection part), 'DHS2017-S Suction Lifter' (MM Engineering Suction Lifter with connection part), and 'End effector adapter' (Connection part for end effectors).

igus roboLink® Designer plastics for longer life®

Settings My configuration Contact

Construction Movement Part List

Request a Quote

Composition

RL-D 50 Rotation Joint

Motor Kit: NEMA 23XL

RL-D 50 Pivot Joint

Motor Kit: NEMA 23XL

RL-D 30 Pivot Joint

Length of Connection [mm]: 350

Motor Kit: NEMA 23

Encoder: Motor Encoder

More Information

Maximum load: 4.16kg

Reach: 620mm

Imprint Data Privacy

Next Part

RL-D 20 Pivot Joint

Small RL-D 20 pivot joint with connection part

SCHUNK SGB 32 Gripper

SCHUNK gripper with connection part

DHS2017-S Suction Lifter

MM Engineering Suction Lifter with connection part

End effector adapter

Connection part for end effectors

... or on the individual configuration, e.g. the length or used motors

**Composition**

- RL-D 50 Rotation Joint
  - Motor Kit: NEMA 23XL
- RL-D 50 Pivot Joint
  - Motor Kit: NEMA 23XL
- RL-D 30 Pivot Joint** (highlighted)
  - Length of Connection [mm]: 495
  - Motor Kit: NEMA 23
- Encoder
  - Motor Encoder

[More Information](#)

**Next Part**

- RL-D 20 Pivot Joint
  - Small RL-D 20 pivot joint with connection part
- SCHUNK SGB 32 Gripper
  - SCHUNK gripper with connection part
- DHS2017-S Suction Lifter
  - MM Engineering Suction Lifter with connection part
- End effector adapter
  - Connection part for end effectors

Maximum load: 5.83kg  
Reach: 495mm

Imprint Data Privacy

# Questions?



**Martin Raak**  
Product Manager robotlink®  
email: [mraak@igus.de](mailto:mraak@igus.de)  
tel: +49 2203 9649 - 409



**Thomas Rösler**  
Projectmanager Online Tools  
email: [troesler@igus.de](mailto:troesler@igus.de)  
tel: +49 2203 9649 - 7287