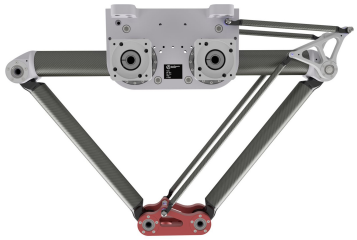
# DuoPod RVS2-750-3kg



**Article number:** A_00911-MV

**Mirror-inverted variant:** Yes

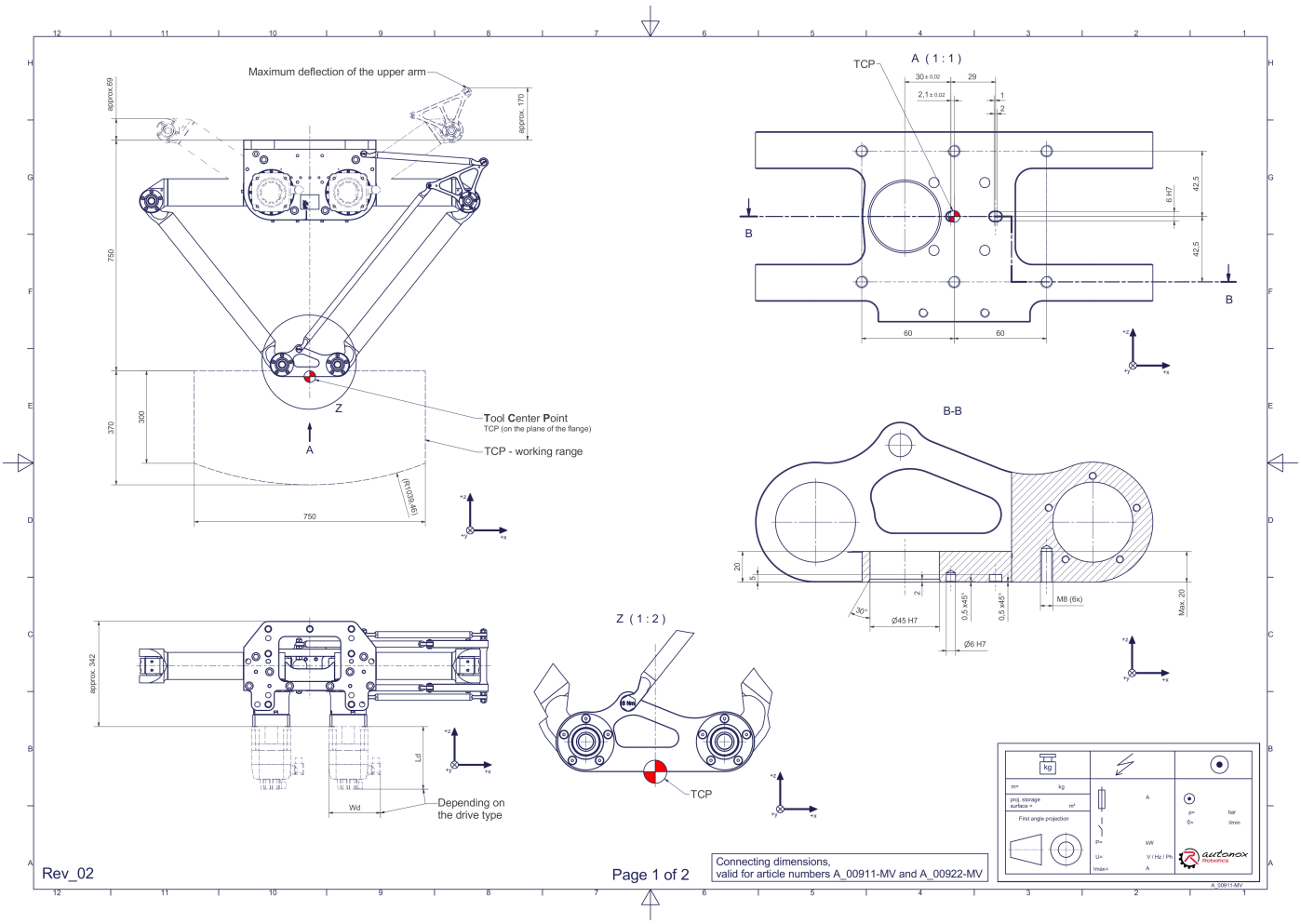
**Lubricant variant:** Synthetic lubricants

**Description:**

This type of robot is based on the principle of parallel kinematics. All drives are mounted in a fixed position on the robot head. Motor cables are not moved. The robot has two (2) translational degrees of freedom. The article number extension 'MV' (Mirrored Version) identifies the mirrored version of the mechanics. **Scope of delivery**

Robot mechanics incl. gearbox, Servo motor adapter, Threaded protection caps , Transport and packing instructions

**Connecting dimensions:**




**Downloads:** Connecting dimensions (PDF) 3D model (STP) 3D model (PDF)

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## Technical specifications:

| | |
|---|---|
| **Field of application** | Standard (not hygienic) |
| **Kinematics** | Parallel |
| **Translatory Degrees of Freedom (X,Y,Z)** | 2 |
| **Rotational Degrees of Freedom (α,ß,γ)** | 0 |
| **Nominal payload [kg\|lbs] *** | 3 \| 6.6 |
| **Working area-width [mm\|in]** | 750 \| 29.5 |
| **Working height outside [mm\|in]** | 300 \| 11.8 |
| **Working height center [mm\|in]** | 370 \| 14.6 |
| **Bearing type of the arm joints** | Roller bearing |
| **Lubricants of the gearboxes** | Synthetic |
| **Cleaning** | No high pressure |
| **Ambient temperature [°C\|°F]** | 0 to +40 \| +32 to +104 |
| **Relative humidity level [%]** | 95 (free of condensation) |
| **Mounting position** | Floor, Ceiling, Wall (on request), Angle (on request) |
| **Robot weight without drive engineering (esp. motors) [kg\|lbs]** | 49 \| 108.0 |

* All given values are nominal values (nominal payload referred to a nominal performance) and can vary under realworld conditions depending on the application (tool specifications, load distances, reduction (partly) of the nominal performance when using food-grade lubricants, ...). Please consider our technical data sheets regarding the load capacity.

## Gearbox article number for this robot mechanics:

| Function | Article number | Document |
|---|---|---|
| Drive of the upper arms | MT_BGR00020777-U-xx | Operating manual gearbox type 3 (PDF) |

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