

## Product data sheet https://autonoxfinder.com/en/A\_00900-FO

Date of download: Oct 21, 2025 Time of download: 09:59 UTC

### DuoPod RVS3Y-750-3kg

**Article number:** A\_00900-FO **Mirror-inverted variant:** No

**Lubricant variant:** Food-grade lubricants (FO)



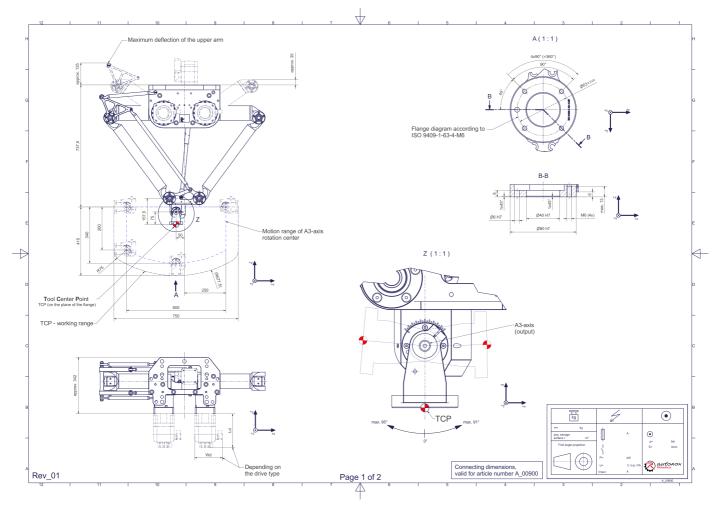
#### **Description:**

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 and one (1) rotational degree(s) of freedom.

#### **Scope of delivery:**

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

#### **Connecting dimensions:**



<u>Downloads:</u> <u>Connecting dimensions (PDF)</u> <u>3D model (STP)</u> <u>3D model (PDF)</u>



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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 $(\alpha,\beta,\gamma)$	1
Nominal payload [kg lbs] *	3   6.6
Working area-width [mm in]	750   29.5
Working height outside [mm in]	260   10.2
Working height center [mm in]	415   16.3
Max. acceleration torque of the rotation $\beta$ around Y at the output [Nm $\mid$ in.lbs]	16   141.6
Nominal torque of the rotation $\beta$ around Y at the output [Nm $\mid$ in.lbs]	16   141.6
Max. speed of the rotation $\boldsymbol{\beta}$ around Y at the output [1/min]	82
Nominal speed of the rotation $\boldsymbol{\beta}$ around $\boldsymbol{Y}$ at the output [1/min]	82
Bearing type of the telescopic shaft(s)	Roller bearing
Bearing type of the arm joints	Roller bearing
Lubricants of the bearings	Food-grade (FO)
Lubricants of the gearboxes	Food-grade (FO)
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. drive) [kg lbs]	53   116.8

<sup>\*</sup> 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_BGR00102242-xx-FO	Operating manual gearbox type 3 (PDF)