

## Product data sheet https://autonoxfinder.com/en/A\_00847

Date of download: Dec 25, 2025 Time of download: 14:42 UTC

### **DELTA RL5-1050-1kg**

Article number: A\_00847

Lubricant variant: Synthetic lubricants



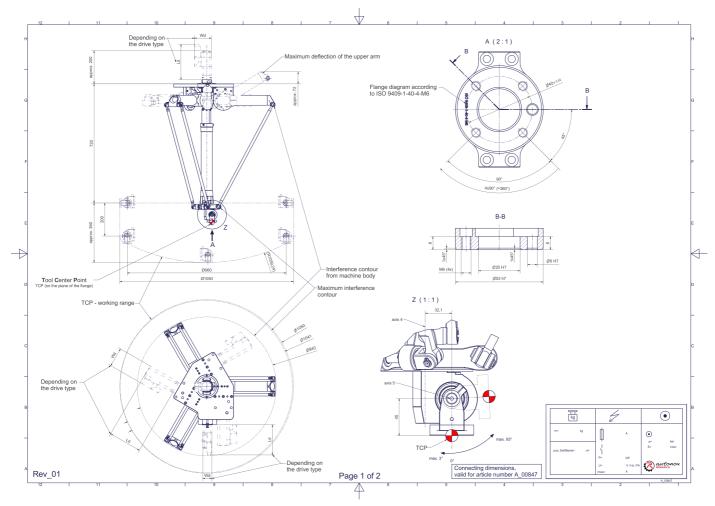
#### **Description:**

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 three (3) translational and two (2) rotational degrees 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)	3
Rotational Degrees of Freedom $(\alpha,\beta,\gamma)$	2
Nominal payload [kg lbs] *	1   2.2
Working area-diameter [mm in]	1050   41.3
Working height outside [mm in]	200   7.9
Working height center [mm in]	360   14.2
Max. acceleration torque of the rotation $\alpha/\beta$ around X/Y at the output [Nm $ \text{in.lbs}]$	16   141.6
Nominal torque of the rotation $\alpha/\beta$ around X/Y at the output [Nm $\mid$ in.lbs]	16   141.6
Max. speed of the rotation $\alpha/\beta$ around X/Y at the output [1/min]	124
Nominal speed of the rotation $\alpha/\beta$ around X/Y at the output [1/min]	124
Max. acceleration torque of the rotation y around Z at the output [Nm in.lbs]	17   150.5
Nominal torque of the rotation y around Z at the output [Nm in.lbs]	12,4   109.7
Max. speed of the rotation y around Z at the output [1/min]	500
Nominal speed of the rotation y around Z at the output [1/min]	380
Bearing type of the telescopic shaft(s)	Roller bearing: rotation $\alpha/\beta$ around X/Y; Journal bearing: rotation $\gamma$ around Z
Bearing type of the arm joints	Roller bearing
Lubricants of the bearings	Synthetic
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. drive) [kg lbs]	30   66.1

<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_BGR00009592-xx	Operating manual gearbox type 3 (PDF)
Drive of the telescopic shaft for rotation y around Z	MT_BGR00011502-xx	Operating manual gearbox type 1 (PDF)