Date of download: Mar 15, 2025 Time of download: 06:43 UTC

# **DELTA RL4-1600-1kg**

Article number: A\_00828-01-FO

Lubricant variant: Food-grade lubricants (FO)



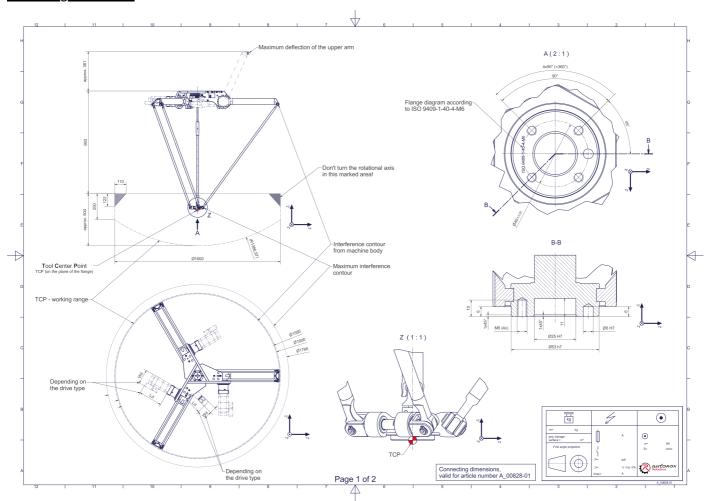
#### **Description:**

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 three (3) 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>



# Product data sheet https://autonoxfinder.com/en/A\_00828-01-FO

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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 $(\alpha, \beta, \gamma)$	1
Nominal payload [kg lbs] *	1   2.2
Working area-diameter [mm in]	1600   63.0
Working height outside [mm in]	250   9.8
Working height center [mm in]	504   19.8
Max. acceleration torque of the rotation y around Z at the output [Nm in.lbs]	7,2   63.7
Nominal torque of the rotation $\gamma$ around Z at the output [Nm in.lbs]	7,2   63.7
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]	320
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)
Special features	All drives (gearbox, reduction gearing,) are located below the head plate. Advantages: Easily accessible, easy to maintain, compact

<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.