

# Product data sheet <a href="https://autonoxfinder.com/en/A\_00706">https://autonoxfinder.com/en/A\_00706</a>

Date of download: May 19, 2024 Time of download: 00:39 UTC

HHD DELTA RL4-800-1kg

Article number: A\_00706

Lubricant variant: Synthetic lubricants



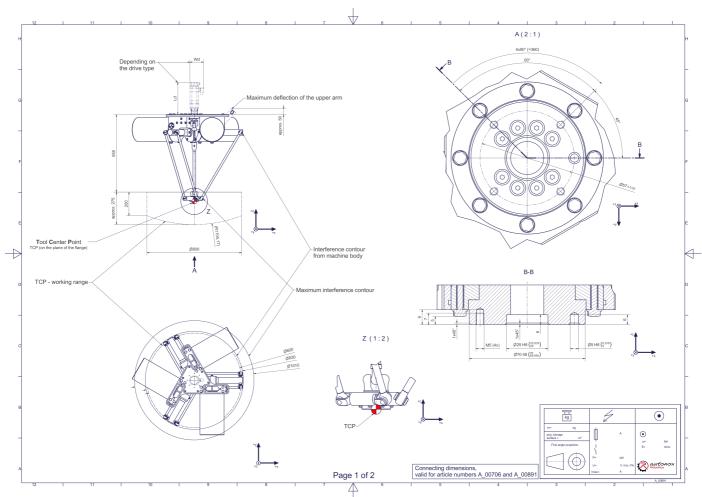
#### **Description:**

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

# **Scope of delivery:**

Robot mechanics incl. gearbox, Servo motor adapter, 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	Hygienic 'HHD'	
Kinematics	Parallel	
Translatory Degrees of Freedom (X,Y,Z)	3	
Rotational Degrees of Freedom $(\alpha,\!B,\!\gamma)$	1	
Nominal payload [kg lbs] *	1   2.2	
Working area-diameter [mm in]	800   31.5	
Working height outside [mm in]	200   7.9	
Working height center [mm in]	275   10.8	
Max. acceleration torque of the rotation y around Z at the output [Nm in.lbs]	6   53.1	
Nominal torque of the rotation $\gamma$ around Z at the output [Nm in.lbs]	4,8   42.5	
Max. speed of the rotation y around Z at the output [1/min]	800	
Nominal speed of the rotation y around Z at the output [1/min]	460	
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	Gearbox of the upper arms: Synthetic; gearbox of the telescopic shaft: Food-grade (FO)	
Cleaning	Up to 28 bar   406 psi high pressure	
Protection class	IP69K	
Ambient temperature [°C °F]	0 to +40   +32 to +104	
Relative humidity level [%]	95 (free of condensation)	
Mounting position	Ceiling, Wall (on request), Angle (on request)	

<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_WST00104439-xx-FO	Operating manual gearbox type 1 (PDF)