

## Product data sheet <a href="https://autonoxfinder.com/en/A\_00853">https://autonoxfinder.com/en/A\_00853</a>

Date of download: May 7, 2024 Time of download: 15:07 UTC

### HHD DELTA RL4-1600-12kg

Article number: A 00853



#### 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



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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] *	12   26.5
Working area-diameter [mm in]	1600   63.0
Working height outside [mm in]	250   9.8
Working height center [mm in]	533   21.0
Max. acceleration torque of the rotation y around Z at the output [Nm in.lbs]	40   354.0
Nominal torque of the rotation y around Z at the output [Nm in.lbs]	40   354.0
Max. speed of the rotation y around Z at the output [1/min]	300
Nominal speed of the rotation y around Z at the output [1/min]	159
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	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)
Special features	With stainless steel gearboxes (food-grade lubricants, but therefore reduced performance). To maintain the Hygienic Design requirements, we recommend the use of appropriate motors.

<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.