

Product data sheet https://autonoxfinder.com/en/AL_10001

Date of download: Dec 22, 2024 Time of download: 11:47 UTC

DELTA RL3-600-3kg

Article number: AL_10001



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 degrees of freedom. This robot mechanics is characterized by its attractive pricing. Due to the joint design, the nominal payload is limited and the average performance and/or lifetime is reduced compared to classic autonox mechanics. The robot is delivered in pre-assembled main assemblies to save space.

Scope of delivery:

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

Connecting dimensions: Measurum deflection of the upper sem A (2:1) To Center Pool To Center Pool To Pool was represented to the control of the upper sem A (2:1) A (

<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 (α,β,γ)	0	
Nominal payload [kg lbs] *	3 6.6	
Working area-diameter [mm in]	600 23.6	
Working height outside [mm in]	175 6.9	
Working height center [mm in]	290 11.4	
Bearing type of the arm joints	Journal bearing	
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	The head plate is not included in the scope of delivery, i.e. the gearbox supports have to be attached directly to the machine frame.Advantages: Compact, inexpensive	

^{*} 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_WST00108764-xx-FO	Operating manual gearbox type 3 (PDF)