

Product data sheet https://autonoxfinder.com/en/A_00850

Date of download: Oct 29, 2025 Time of download: 07:03 UTC

DELTA RLE4-1200-6kg

Article number: A_00850

Lubricant variant: Synthetic lubricants



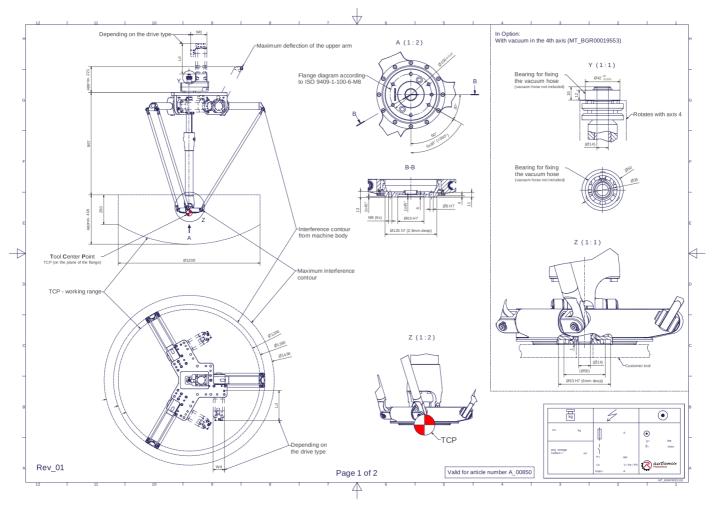
Description:

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, 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 (α,β,γ) | 1 |
| Nominal payload [kg lbs] * | 6 13.2 |
| Working area-diameter [mm in] | 1200 47.2 |
| Working height outside [mm in] | 250 9.8 |
| Working height center [mm in] | 418 16.5 |
| Max. acceleration torque of the rotation y around Z at the output [Nm in.lbs] | 100 885.1 |
| Nominal torque of the rotation y around Z at the output [Nm in.lbs] | 88 778.9 |
| Max. speed of the rotation y around Z at the output [1/min] | 558 |
| Nominal speed of the rotation y around Z at the output [1/min] | 413 |
| Bearing type of the telescopic shaft(s) | Roller bearing |
| 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] | 65 143.3 |
| | |

^{*} 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_BGR00021338 | Operating manual gearbox type 8 (PDF) |
| Drive of the telescopic shaft for rotation y around Z | MT_WST00057594-xx | Operating manual gearbox type 7 (PDF) |