

### Product data sheet https://autonoxfinder.com/en/A\_00830-T1-FO

Date of download: Oct 18, 2025 Time of download: 10:56 UTC

### **DELTA RL4-T1-1600-12kg**

Article number: A\_00830-T1-FO

Lubricant variant: Food-grade lubricants (FO)



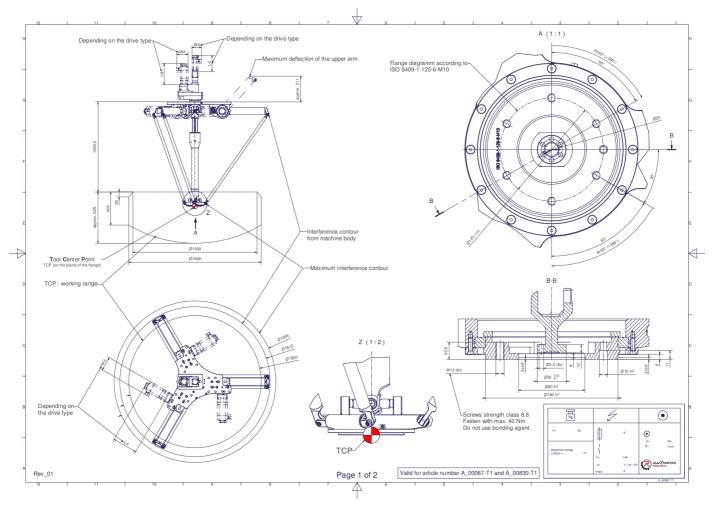
#### **Description:**

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>



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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) *	12   26.5
Working area-diameter [mm in]	1600   63.0
Working height outside [mm in]	400   15.7
Working height center [mm in]	620   24.4
Output type of the tool actuation	Flange (T)
Number of the tool actuation (telescopic shaft(s))	1
Max. acceleration torque of the rotation y around Z at the output [Nm in.lbs]	240   2124.2
Nominal torque of the rotation y around Z at the output [Nm in.lbs]	240   2124.2
Max. speed of the rotation y around Z at the output [1/min]	177
Nominal speed of the rotation y around Z at the output [1/min]	124
Max. acceleration torque of the tool actuation T/TS1 at the output [Nm in.lbs]	40   354.0
Nominal torque of the tool actuation T/TS1 at the output [Nm in.lbs]	23   203.6
Max. speed of the tool actuation T/TS1 at the output [1/min]	171
Nominal speed of the tool actuation T/TS1 at the output [1/min]	114
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)
Robot weight without drive engineering (esp. drive) [kg   lbs]	124   273.4

<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.



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#### **Gearbox article number for this robot mechanics:**

Function	Article number	Document
Drive of the upper arms	MT_BGR00022174-xx-FO	Operating manual gearbox type 3 (PDF)
Drive of the telescopic shaft for rotation $\boldsymbol{\gamma}$ around $\boldsymbol{Z}$	MT_BGR00100444-xx-FO	Operating manual gearbox type 7 (PDF)
Drive of the telescopic shaft for tool actuation T/TS1	MT_WST00103494-xx-FO	Operating manual gearbox type 6 (PDF)