

## Product data sheet <a href="https://autonoxfinder.com/en/A\_00037">https://autonoxfinder.com/en/A\_00037</a>

Date of download: Nov 14, 2025 Time of download: 18:19 UTC

### DELTA RL4-900-3kg

Article number: A 00037

Lubricant variant: Synthetic lubricants



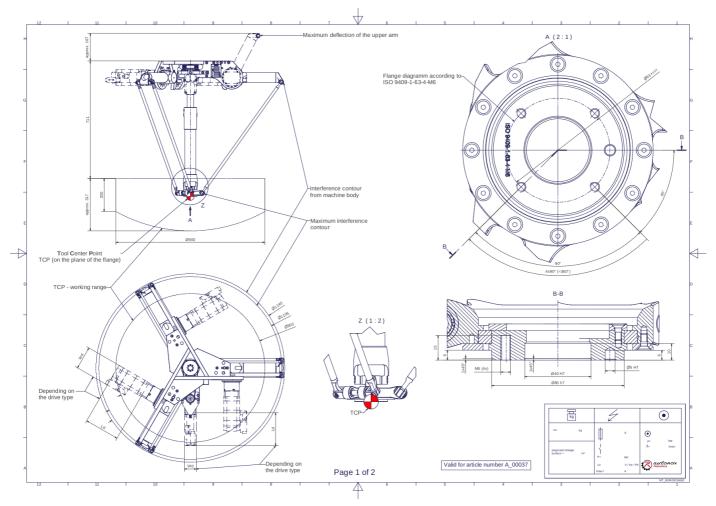
#### **Description:**

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 $(\alpha,\beta,\gamma)$	1	
Nominal payload [kg lbs] *	3   6.6	
Working area-diameter [mm in]	900   35.4	
Working height outside [mm in]	200   7.9	
Working height center [mm in]	317   12.5	
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]	36   318.6	
Max. speed of the rotation y around Z at the output [1/min]	321	
Nominal speed of the rotation y around Z at the output [1/min]	214	
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]	39   86.0	
Special features	All drives (gearbox, reduction gearing,) are located below the head plate. Increased torque is available for Z rotation. Advantages: Easily accessible, easy to maintain, compact, high accelerations/decelerations around Z	

<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_BGR00013366-xx	Operating manual gearbox type 3 (PDF)
Drive of the telescopic shaft for rotation y around Z	MT_BGR00018232-xx	Operating manual gearbox type 1 (PDF)