

Product data sheet https://autonoxfinder.com/en/A_00804-01

Date of download: Dec 19, 2025 Time of download: 17:42 UTC

DELTA RL4-900-6kg

Article number: A_00804-01

Lubricant variant: Synthetic lubricants



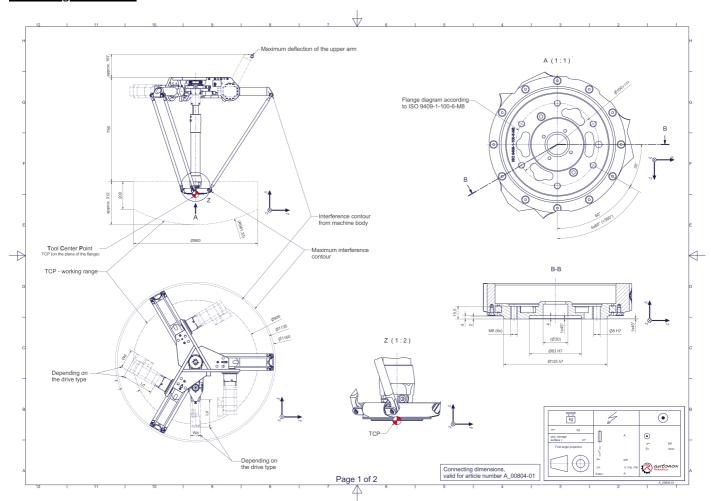
Description:

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 (x,B,y) 1 Nominal payload (kg lbs)* 6 13.2 Working area-diameter [rmm in] 900 35.4 Working height outside [rmm in] 312 12.3 Max. acceleration torque of the rotation y around Z at the output [Nm in.lbs] 31 292.1 Max. speed of the rotation y around Z at the output [I/min] 225 Nominal speed of the rotation y around Z at the output [1/min] 150 Bearing type of the etelescopic shaft(s) Roller bearing Bearing type of the etelescopic shaft(s) Roller bearing Lubricants of the gearboxes Synthetic Cleaning No high pressure Ambient temperature [*C *F] No high pressure Ambient temperature [*C *F] Floor, Celling, Wall (on request), Angle (on request) Mounting position Floor, Celling, Wall (on request), Angle (on request)		
Translatory Degrees of Freedom (x,Y,z) Rotational Degrees of Freedom (x,B,y) Nominal payload [kg lbs]* Working area-diameter [mm in] Working height outside [mm in] Working height outside [mm in] Working height center [mm in] 312 12.3 Max. acceleration torque of the rotation y around Z at the output [Nm in.lbs] Nominal torque of the rotation y around Z at the output [Nm in.lbs] Nominal torque of the rotation y around Z at the output [1/min] 225 Nominal speed of the rotation y around Z at the output [1/min] Bearing type of the telescopic shaft(s) Bearing type of the telescopic shaft(s) Roller bearing Lubricants of the bearings Lubricants of the gearboxes Cleaning Ambient temperature [*C *F Relative humidity level [%] Floor. Celling, Wall (on request), Angle (on request)	Field of application	Standard (not hygienic)
Rotational Degrees of Freedom (α,β,γ) Nominal payload [kg [bs] * 6 13.2 Working area-diameter [mm in] 900 35.4 Working height outside [mm in] 200 7.9 Working height center [mm in] 312 12.3 Max. acceleration torque of the rotation y around Z at the output [Nm in.lbs] 312 92.1 Max. speed of the rotation y around Z at the output [l/min] 225 Nominal speed of the rotation y around Z at the output [l/min] 150 Bearing type of the telescopic shaft(s) 8 Roller bearing Lubricants of the bearings Synthetic Cleaning No high pressure Ambient temperature [*C *F] 0 to +40 +32 to +104 Relative humidity level [%] 5 Fioer, Celling, Wall (on request), Angle (on request)	Kinematics	Parallel
Nominal payload [kg lbs] * 6 13.2 Working area-diameter [rmm in] 900 35.4 Working height outside [rmm in] 200 7.9 Working height center [rmm in] 312 12.3 Max. acceleration torque of the rotation y around Z at the output [Nm in.lbs] 33 292.1 Nominal torque of the rotation y around Z at the output [1/min] 225 Nominal speed of the rotation y around Z at the output [1/min] 150 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, Celling, Wall (on request), Angle (on request)	Translatory Degrees of Freedom (X,Y,Z)	3
Working area-diameter [mm in] 900 35.4 Working height outside [mm in] 200 7.9 Working height center [mm in] 312 12.3 Max. acceleration torque of the rotation y around Z at the output [Nm in.lbs] Nominal torque of the rotation y around Z at the output [Inm in.lbs] 33 292.1 Max. speed of the rotation y around Z at the output [1/min] 225 Nominal speed of the rotation y around Z at the output [1/min] Bearing type of the telescopic shaft(s) Roller bearing Earing type of the arm joints Lubricants of the bearings Synthetic Lubricants of the gearboxes Cleaning Anbient temperature [*C *F] 0 to +40 +32 to +104 Relative humidity level [%] Mounting position Floor, Celling, Wall (on request), Angle (on request)	Rotational Degrees of Freedom (α,β,γ)	1
Working height outside [mm in] Working height center [mm in] Max. acceleration torque of the rotation y around Z at the output [Nm in.lbs] Mominal torque of the rotation y around Z at the output [Nm in.lbs] Max. speed of the rotation y around Z at the output [1/min] Mominal speed of the rotation y around Z at the output [1/min] Bearing type of the telescopic shaft(s) Bearing type of the telescopic shaft(s) Roller bearing Lubricants of the bearings Lubricants of the gearboxes Cleaning Anbient temperature [°C °F] Roller bearing No high pressure Ambient temperature [°C °F] Roller bearing Floor, Ceiling, Wall (on request), Angle (on request)	Nominal payload [kg lbs] *	6 13.2
Working height center [mm in] 312 12.3 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 [I/min] 225 Max. speed of the rotation y around Z at the output [1/min] 150 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)	Working area-diameter [mm in]	900 35.4
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 [1/min] 33 292.1 Max. speed of the rotation y around Z at the output [1/min] 150 Bearing type of the telescopic shaft(s) Roller bearing Bearing type of the arm joints Roller bearing Lubricants of the bearings 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)	Working height outside [mm in]	200 7.9
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Max. speed of the rotation y around Z at the output [1/min]225Nominal speed of the rotation y around Z at the output [1/min]150Bearing type of the telescopic shaft(s)Roller bearingBearing type of the arm jointsRoller bearingLubricants of the bearingsSyntheticLubricants of the gearboxesSyntheticCleaningNo high pressureAmbient temperature [°C °F]0 to +40 +32 to +104Relative humidity level [%]95 (free of condensation)Mounting positionFloor, Ceiling, Wall (on request), Angle (on request)	Max. acceleration torque of the rotation y around Z at the output [Nm in.lbs]	40 354.0
Nominal speed of the rotation y around Z at the output [1/min] 150 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)	Nominal torque of the rotation y around Z at the output [Nm in.lbs]	33 292.1
Bearing type of the telescopic shaft(s) Bearing type of the arm joints Lubricants of the bearings Lubricants of the gearboxes Cleaning Ambient temperature [°C °F] Relative humidity level [%] Mounting position Roller bearing Roller bearing Synthetic Synthetic Oto +40 +32 to +104 Floor, Ceiling, Wall (on request), Angle (on request)	Max. speed of the rotation γ around Z at the output [1/min]	225
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)	Nominal speed of the rotation y around Z at the output [1/min]	150
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)	Bearing type of the telescopic shaft(s)	Roller bearing
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)	Bearing type of the arm joints	Roller bearing
Cleaning No high pressure O to +40 +32 to +104 Relative humidity level [%] Mounting position No high pressure O to +40 +32 to +104 Ploor, Ceiling, Wall (on request), Angle (on request)	Lubricants of the bearings	Synthetic
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)	Lubricants of the gearboxes	Synthetic
Relative humidity level [%] 95 (free of condensation) Mounting position Floor, Ceiling, Wall (on request), Angle (on request)	Cleaning	No high pressure
Mounting position Floor, Ceiling, Wall (on request), Angle (on request)	Ambient temperature [°C °F]	0 to +40 +32 to +104
	Relative humidity level [%]	95 (free of condensation)
Robot weight without drive engineering (esp. drive) [kg lbs] 41 90.4	Mounting position	Floor, Ceiling, Wall (on request), Angle (on request)
	Robot weight without drive engineering (esp. drive) [kg lbs]	41 90.4

^{*} 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_BGR00013360-xx	Operating manual gearbox type 1 (PDF)