Date of download: Nov 28, 2025 Time of download: 19:56 UTC

DELTA RL4-1400-3kg

Article number: A_00849-01-FO

Lubricant variant: Food-grade lubricants (FO)



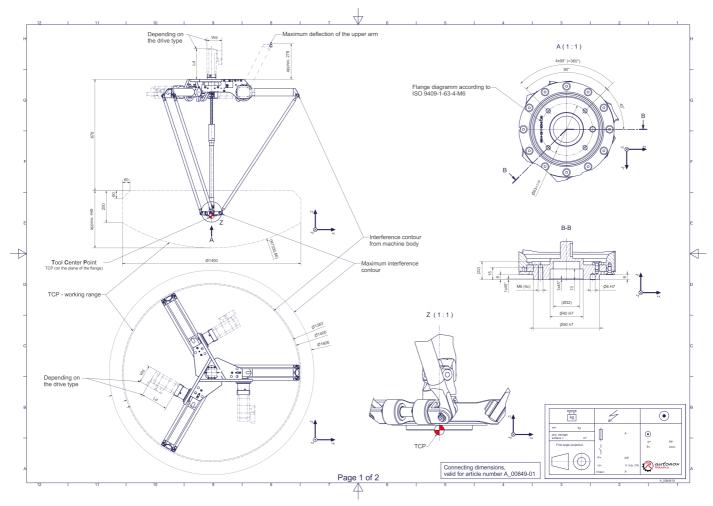
Description:

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>



Product data sheet https://autonoxfinder.com/en/A_00849-01-FO

Date of download: Nov 28, 2025 Time of download: 19:56 UTC

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)* 3 6.6 Working area-diameter [mm in] 1400 55.1 Working height outside [mm in] 250 9.8 Working height center [mm in] 449 17.7 Max. acceleration torque of the rotation y around Z at the output [Nm in.lbs] 26,8 237.2 Nominal torque of the rotation y around Z at the output [I/min] 750 Nominal speed of the rotation y around Z at the output [1/min] 400 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)		
Translatory Degrees of Freedom (X,Y,Z) Rotational Degrees of Freedom (x,B,y) Nominal payload [kg lbs] * 3 6.6 Working area-diameter [mm in] 1400 55.1 Working height outside [mm in] 250 9.8 Working height center [mm in] 449 17.7 Max. acceleration torque of the rotation y around Z at the output [Nm in.lbs] 26.8 237.2 Nominal torque of the rotation y around Z at the output [Nm in.lbs] 750 Max. speed of the rotation y around Z at the output [1/min] 750 Nominal speed of the rotation y around Z at the output [1/min] 400 Bearing type of the telescopic shaft(s) Roller bearing Lubricants of the bearings Food-grade (FO) Lubricants of the gearboxes Food-grade (FO) Cleaning No high pressure Ambient temperature [*C *F] 010 +40 +32 to +104 Relative humidity level [%] 95 (free of condensation)	Field of application	Standard (not hygienic)
Rotational Degrees of Freedom (α,β,γ) Nominal payload [kg lbs] * Working area-diameter [mm in] 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] Max. acceleration torque of the rotation y around Z at the output [Nm in.lbs] Max. speed of the rotation y around Z at the output [Nm in.lbs] Nominal torque of the rotation y around Z at the output [I/min] Nominal speed of the rotation y around Z at the output [I/min] Rearing type of the telescopic shaft(s) Roller bearing Lubricants of the bearings Lubricants of the gearboxes Cleaning No high pressure Ambient temperature [*C *F] O to +40 +32 to +104 Relative humidity level [%]	Kinematics	Parallel
Nominal payload [kg lbs] * 3 6.6 Working area-diameter [mm in] 1400 55.1 Working height outside [mm in] 250 9.8 Working height center [mm in] 449 17.7 Max. acceleration torque of the rotation y around Z at the output [Nm in.lbs] 26.8 237.2 Nominal torque of the rotation y around Z at the output [l/min] 750 Nominal speed of the rotation y around Z at the output [1/min] 400 Bearing type of the telescopic shaft(s) Roller bearing Bearing type of the arm joints Roller bearing Lubricants of the bearings Food-grade (FO) Cleaning No high pressure Ambient temperature [°C °F] 0 to +40 +32 to +104 Relative humidity level [%] 95 (free of condensation)	Translatory Degrees of Freedom (X,Y,Z)	3
Working area-diameter [mm in] 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] Max. acceleration 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] Max. speed of the rotation y around Z at the output [1/min] Nominal speed of the rotation y around Z at the output [1/min] Roller bearing Bearing type of the telescopic shaft(s) Bearing type of the arm joints Lubricants of the bearings Lubricants of the gearboxes Food-grade (FO) Cleaning Ambient temperature [°C °F] Relative humidity level [%] 95 (free of condensation)	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] Nominal speed of the rotation y around Z at the output [1/min] Nominal speed of the rotation y around Z at the output [1/min] Bearing type of the telescopic shaft(s) Bearing type of the arm joints Lubricants of the bearings Lubricants of the gearboxes Food-grade (FO) Cleaning Ambient temperature [*C *F] O to +40 +32 to +104 Relative humidity level [%]	Nominal payload [kg lbs] *	3 6.6
Working height center [mm in]449 17.7Max. acceleration torque of the rotation y around Z at the output [Nm in.lbs]26,8 237.2Nominal torque of the rotation y around Z at the output [Nm in.lbs]21,6 191.2Max. speed of the rotation y around Z at the output [1/min]750Nominal speed of the rotation y around Z at the output [1/min]400Bearing type of the telescopic shaft(s)Roller bearingBearing type of the arm jointsRoller bearingLubricants of the bearingsFood-grade (FO)Lubricants of the gearboxesFood-grade (FO)CleaningNo high pressureAmbient temperature [°C °F]0 to +40 +32 to +104Relative humidity level [%]95 (free of condensation)	Working area-diameter [mm in]	1400 55.1
Max. acceleration torque of the rotation y around Z at the output [Nm in.lbs] 26,8 237.2 Nominal torque of the rotation y around Z at the output [I/min] 21,6 191.2 Max. speed of the rotation y around Z at the output [1/min] 750 Nominal speed of the rotation y around Z at the output [1/min] 400 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)	Working height outside [mm in]	250 9.8
Nominal torque of the rotation y around Z at the output [Nm in.lbs] 21,6 191.2 Max. speed of the rotation y around Z at the output [1/min] 750 Nominal speed of the rotation y around Z at the output [1/min] 400 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)	Working height center [mm in]	449 17.7
Max. speed of the rotation y around Z at the output [1/min]750Nominal speed of the rotation y around Z at the output [1/min]400Bearing type of the telescopic shaft(s)Roller bearingBearing type of the arm jointsRoller bearingLubricants of the bearingsFood-grade (FO)Lubricants of the gearboxesFood-grade (FO)CleaningNo high pressureAmbient temperature [°C °F]0 to +40 +32 to +104Relative humidity level [%]95 (free of condensation)	Max. acceleration torque of the rotation y around Z at the output [Nm in.lbs]	26,8 237.2
Nominal speed of the rotation y around Z at the output [1/min] 400 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 [%]	Nominal torque of the rotation y around Z at the output [Nm in.lbs]	21,6 191.2
Bearing type of the telescopic shaft(s) Roller bearing Roller bearing Roller bearing Roller bearing Food-grade (FO) Lubricants of the gearboxes Food-grade (FO) Cleaning No high pressure Ambient temperature [°C °F] O to +40 +32 to +104 Relative humidity level [%]	Max. speed of the rotation γ around Z at the output [1/min]	750
Bearing type of the arm joints Lubricants of the bearings Food-grade (FO) Lubricants of the gearboxes Food-grade (FO) Cleaning No high pressure Ambient temperature [°C °F] O to +40 +32 to +104 Relative humidity level [%]	Nominal speed of the rotation y around Z at the output [1/min]	400
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)	Bearing type of the telescopic shaft(s)	Roller bearing
Lubricants of the gearboxes Food-grade (FO) Cleaning No high pressure Ambient temperature [°C °F] Relative humidity level [%] Food-grade (FO) No high pressure 0 to +40 +32 to +104 Price of condensation)	Bearing type of the arm joints	Roller bearing
Cleaning No high pressure Ambient temperature [°C °F] 0 to +40 +32 to +104 Relative humidity level [%] 95 (free of condensation)	Lubricants of the bearings	Food-grade (FO)
Ambient temperature [°C °F] 0 to +40 +32 to +104 Relative humidity level [%] 95 (free of condensation)	Lubricants of the gearboxes	Food-grade (FO)
Relative humidity level [%] 95 (free of condensation)	Cleaning	No high pressure
	Ambient temperature [°C °F]	0 to +40 +32 to +104
Mounting position Floor, Ceiling, Wall (on request). Angle (on request)	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] 37 81.6	Robot weight without drive engineering (esp. drive) [kg lbs]	37 81.6

^{*} 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_BGR00019165-xx-FO	Operating manual gearbox type 3 (PDF)
Drive of the telescopic shaft for rotation y around Z	MT_BGR00102787-xx-FO	Operating manual gearbox type 3 (PDF)