

# DELTA RLZ3-TS1-1200-3kg

Article number: A\_01001-0-TS1-FO Lubricant variant: Food-grade lubricants (FO)



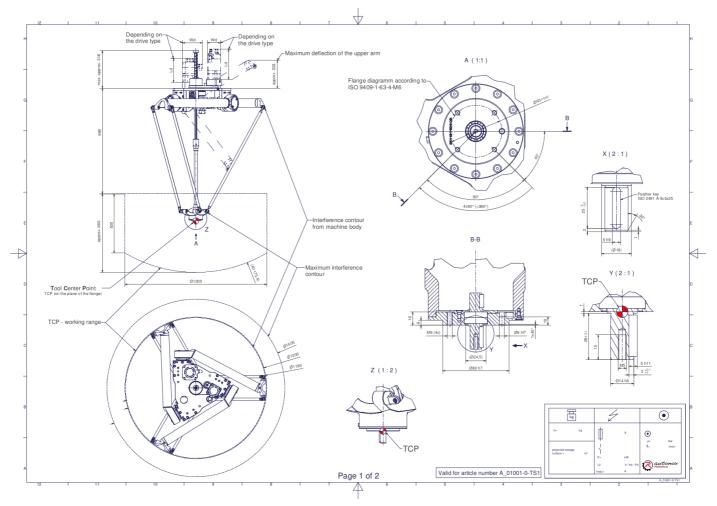
## **Description:**

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 degrees of freedom.

## Scope of delivery:

Robot mechanics incl. gearbox, Servo motor adapter, Threaded protection caps, Transport and packing instructions

## **Connecting dimensions:**



Downloads: Connecting dimensions (PDF) 3D model (STP) 3D model (PDF)



# **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)	0
Nominal payload [kg lbs] *	3   6.6
Working area-diameter [mm in]	1200   47.2
Working height outside [mm in]	500   19.7
Working height center [mm in]	665   26.2
Length of the tool holder extension [mm in]	0
Output type of the tool actuation	Shaft (TS)
Number of the tool actuation (telescopic shaft(s))	1
Max. acceleration torque of the tool actuation T/TS1 at the output [Nm in.lbs]	27   239.0
Nominal torque of the tool actuation T/TS1 at the output [Nm in.lbs]	27   239.0
Max. speed of the tool actuation T/TS1 at the output [1/min]	1000
Nominal speed of the tool actuation T/TS1 at the output [1/min]	1000
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)

\* 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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