

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] *	1 2.2
Working area-width X/Y [mm in]	600/645 23.6/25.4
Working height outside [mm in]	140 5.5
Working height center [mm in]	265 10.4
Max. acceleration torque of the rotation α around X at the output [Nm in.lbs]	16 141.6
Nominal torque of the rotation α around X at the output [Nm in.lbs]	16 141.6
Max. speed of the rotation α around X at the output [1/min]	82
Nominal speed of the rotation α around X at the output [1/min]	82
Bearing type of the telescopic shaft(s)	Roller bearing
Bearing type of the arm joints	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)
Robot weight without drive engineering (esp. drive) [kg lbs]	25 55.1

* 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_BGR00009592-xx	Operating manual gearbox type 3 (PDF)