

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] *	20 44.1
Working area-diameter [mm in]	1600 63.0
Working height outside [mm in]	400 15.7
Working height center [mm in]	620 24.4
Output type of the tool actuation	Shaft (TS)
Number of the tool actuation (telescopic shaft(s))	1
Manual tool changing system ATS	Eightfold media transmission (Compressed air 6 bar 87.0 psi / vacuum -850 mbar -12.3 psi / min. inner- \varnothing : 6 mm 0.24 in)
Max. acceleration torque of the rotation γ around Z at the output [Nm in.lbs]	240 2124.2
Nominal torque of the rotation γ around Z at the output [Nm in.lbs]	240 2124.2
Max. speed of the rotation γ around Z at the output [1/min]	177
Nominal speed of the rotation γ around Z at the output [1/min]	124
Max. acceleration torque of the tool actuation T/TS1 at the output [Nm in.lbs]	40 354.0
Nominal torque of the tool actuation T/TS1 at the output [Nm in.lbs]	23 203.6
Max. speed of the tool actuation T/TS1 at the output [1/min]	171
Nominal speed of the tool actuation T/TS1 at the output [1/min]	114
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 [$^{\circ}$ C $^{\circ}$ 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.