



## Technical specifications:

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| Field of application   | Standard (not hygienic)  |
| Kinematics   | Parallel   |
| Translatory Degrees of Freedom (X,Y,Z)   | 3  |
| Rotational Degrees of Freedom ( $\alpha, \beta, \gamma$ )                              | 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 $\gamma$ around Z at the output [Nm   in.lbs] | 40   354.0   |
| Nominal torque of the rotation $\gamma$ around Z at the output [Nm   in.lbs]           | 33   292.1   |
| Max. speed of the rotation $\gamma$ around Z at the output [1/min]                     | 225  |
| Nominal speed of the rotation $\gamma$ 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   | 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)  |
| Robot weight without drive engineering (esp. drive) [kg   lbs]                         | 42   92.6  |
| Special features   | All drives (gearbox, reduction gearing, ...) are located below the head plate. Increased torque is available for Z rotation. Advantages: Easily accessible, easy to maintain, compact, high accelerations/decelerations around Z |

\* 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.