

ARTICULATED sCara4-ATS-700-6kg

Article number: AT_00020-01-ATS

Lubricant variant: Synthetic lubricants



Description :

This type of robot is based on the principle of serial kinematics. All drives and motor cables, except the stationary axis 1, are moved along. The robot has three (3) translational and one (1) rotational degree(s) of freedom.

Scope of delivery:

Robot mechanics incl. gearbox, Free installation of drive technology provided (including incoming goods inspection), Multi-hour, logged test run as final quality inspection, Threaded protection caps , Transport and packing instructions

Required accessories:

Set of parts for installing the drive technology. This set consists of, for example, a servo motor adapter, servo motor cable, transmission input pinion, plug board (usually on the base frame) and media supply to the end effector.

We refer to our [General Terms of Sale and Supply](#) and [Terms of use](#).

Technical specifications:

Field of application	Standard (not hygienic)
Kinematics	Serial
Translatory Degrees of Freedom (X,Y,Z)	3
Rotational Degrees of Freedom (α, β, γ)	1
Nominal payload [kg lbs] *	6 13.2
Working area-reach [mm in]	700 27.6
Working height [mm in]	200 7.9
Manual tool changing system ATS	Fourfold media transmission (Compressed air 6 bar 87.0 psi / vacuum -850 mbar -12.3 psi / min. inner-Ø: 4 mm 0.16 in)
Lubricants of the bearings	Synthetic
Lubricants of the gearboxes	Synthetic
Integrated media supply	Fourfold integrated media supply to the end effector (compressed air 6 bar 87.0 psi / vacuum -850 mbar -12.3 psi / D=6 mm 0.24 in ; d=4 mm 0.16 in)
Cleaning	No high pressure
Protection class	IP64
Ambient temperature [°C °F]	0 to +40 +32 to +104
Relative humidity level [%]	95 (free of condensation)
Mounting position	(Floor), Ceiling, Wall
Robot weight without drive engineering (esp. drive) [kg lbs]	33 72.8

* 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.