

Discontinuation Notice of SCARA Robots Cobra 450/500/650.**Product Discontinuation**

SCARA Robot

**Model 1720X-14500****Model 1720X-15000****Model 1720X-16500****Recommended Replacement**

SCARA Robot

Model RS4-2054002**Model RS4-2055002****Model RS4-2056502** (Mar.2022 release)**[Final order entry date]**

The end of March, 2023

[Date of The Last Shipping]

The end of April, 2023

[Scheduled date of maintenance close]

The end of April, 2028

[Caution on recommended replacement]

- Replacing the robot will require the application to be re-written.
- Smart Controller EX is not support on replacement models.
- i4L models cannot be daisy chained.
- Mounting dimensions will not line-up and new mounting will be required.
- Model RS4-20554002/RS4-2055002 will require a 48V Power Supply, and does not require 240VAC.

[Difference from discontinued product]

Recommended replacement Model	Body Color	Dimensions	Wire connection	Mounting Dimensions	Characteristics	Operation methods
RS4-2054002	--	--	--	--	--	*
RS4-2055002	--	--	--	--	--	*
RS4-2056502	--	--	--	--	--	*

** : Compatible

* : The change is a little/Almost compatible

-- : Not compatible

- : No corresponding specification

[Product Discontinuation and recommended replacement]

Product discontinuation	Recommended replacement
17201-14500	RS4-2054002
17201-15000	RS4-2055002
17201-16500	RS4-2056502
17203-14500	RS4-2054002
17203-15000	RS4-2055002
17203-16500	RS4-2056502

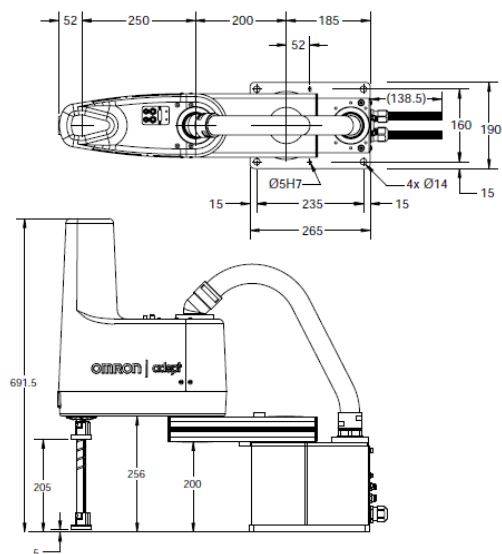
[Body color]

Product discontinuation Model 1720X-1XX00	Recommendable replacement Model RS4-205XXXX
Grey, White 	Dark Grey, Light Grey Model RS4-2054002/RS4-2055002  Model RS4-2056502 

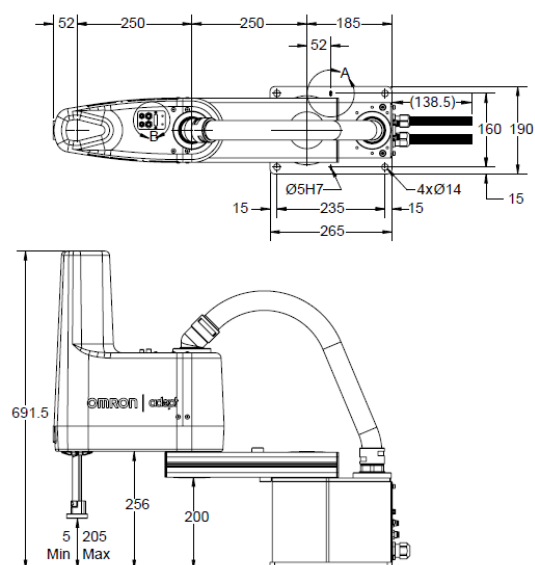
[Dimensions]

Product discontinuation
Model 1720X-1XX00

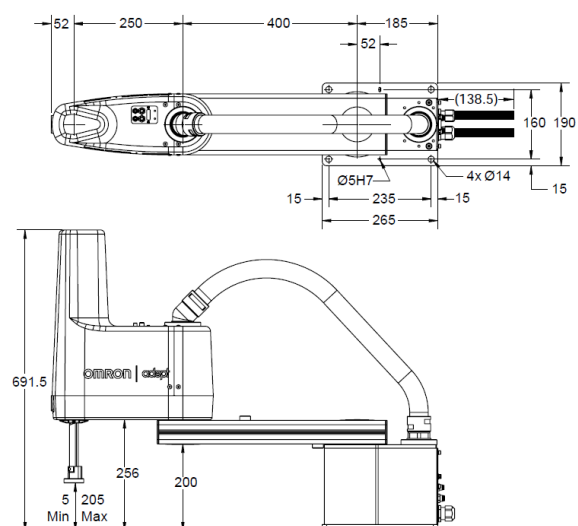
Model 1720X-14500



Model 1720X-15000

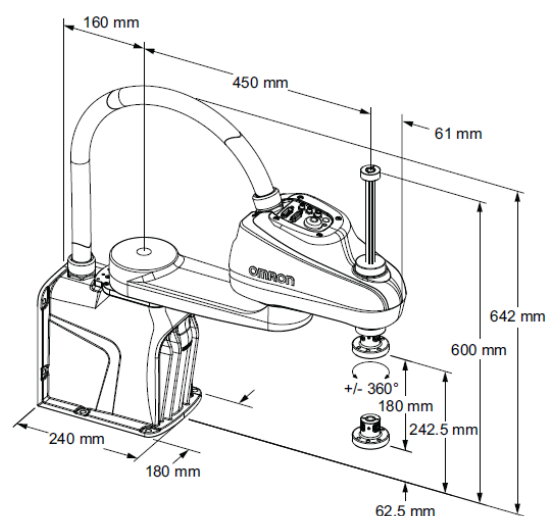


Model 1720X-16500

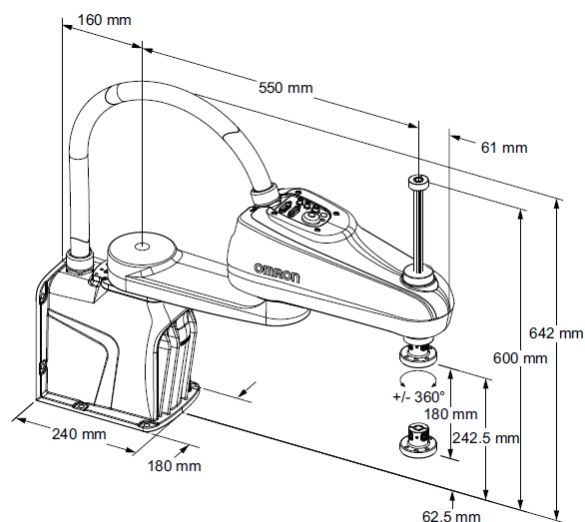


Recommendable replacement
Model RS4-205XXXX

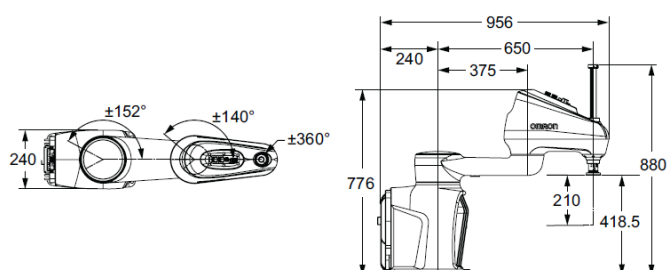
Model RS4-2054002



Model RS4-2055002



Model RS4-2056502



[Wire connection]

Product discontinuation Model 1720X-1XX00	Recommended replacement Model RS4-205XXXX
	Model RS4-2054002/RS4-2055002 Model RS4-2056502

[Mounting dimensions]

[illegible]

[Characteristics]

Item		Product discontinuation Model 1720X-1XX00	Recommendable replacement Model RS4-205XXXX
Reach		Model 1720X-14500 : 450mm Model 1720X-15000 : 500mm Model 1720X-16500 : 650mm	Model RS4-2054002 : 450mm Model RS4-2055002 : 550mm Model RS4-2056502 : 650mm
Mounting		Table	Table
Maximum Payload		5kg	Model RS4-2054002 : 5kg Model RS4-2055002 : 5kg Model RS4-2056502 : 15kg
Repeatability	XY	±0.02 mm	Model RS4-2054002 : ±0.01 mm Model RS4-2055002 : ±0.01 mm Model RS4-2056502 : ±0.015 mm
	Z	±0.01 mm	±0.01 mm
	Theta	±0.005°	Model RS4-2054002 : ±0.01° Model RS4-2055002 : ±0.01° Model RS4-2056502 : ±0.005°
Joint Range	Joint 1	±125°	Model RS4-2054002 : 135° Model RS4-2055002 : 135° Model RS4-2056502 : 152°
	Joint 2	±145°	Model RS4-2054002 : 148° Model RS4-2055002 : 148° Model RS4-2056502 : 140°
	Joint 3	200mm	Model RS4-2054002 : 180 mm Model RS4-2055002 : 180 mm Model RS4-2056502 : 210 mm
	Joint 4	±360°	±360°
Inertia Moment(Max.) Joint 4		450kg·cm ²	500kg·cm ²
Joint Speed	Joint 1	450°/s	Model RS4-2054002 : 456 °/s Model RS4-2055002 : 456 °/s Model RS4-2056502 : 450 °/s
	Joint 2	720°/s	Model RS4-2054002 : 456 °/s Model RS4-2055002 : 456 °/s Model RS4-2056502 : 720 °/s
	Joint 3	Model 1720X-14500 : 1100 mm/s Model 1720X-15000 : 1200 mm/s Model 1720X-16500 : 1120 mm/s	Model RS4-2054002 : 800 mm/s Model RS4-2055002 : 800 mm/s Model RS4-2056502 : 1583 mm/s
	Joint 4	1940°/s	Model RS4-2054002 : 6000 °/s Model RS4-2055002 : 6000 °/s Model RS4-2056502 : 2400 °/s
Cycle time	Burst	Model 1720X-14500 : 0.49 s Model 1720X-15000 : 0.51 s Model 1720X-16500 : 0.43 s	Model RS4-2054002 : 0.48 s Model RS4-2055002 : 0.48 s Model RS4-2056502 : 0.41 s
	Sustained	Model 1720X-14500 : 0.64 s Model 1720X-15000 : 0.60 s Model 1720X-16500 : 0.60 s	Model RS4-2054002 : 0.57 s Model RS4-2055002 : 0.54 s Model RS4-2056502 : 0.45 s
Power requirement		24VDC:6A 200 to 250 VAC: 10A,	Model RS4-2054002/2055002 24VDC:5A 48VDC:20A Model RS4-2056502 24VDC:8A(max.) 200 to 240 VAC: 12A(max.)
Protection		IP20	IP20
Environment Requirement		5 to 40°C	5 to 40°C
Weight		Model 1720X-14500 : 29 kg	Model RS4-2054002 : 15.9 kg

Item	Product discontinuation Model 1720X-1XX00	Recommendable replacement Model RS4-205XXXX
	Model 1720X-15000 : 29 kg Model 1720X-16500 : 31 kg	Model RS4-2055002 : 16.4 kg Model RS4-2056502 : 50.4 kg

[Operation methods]

Product discontinuation Model 1720X-1XX00	Recommendable replacement Model RS4-205XXXX
Programming environment ACE, ePLC	Programming environment ACE, ePLC (only on eV+ 4.X)

Specifications and prices in this product news are as of the issue date and are subject to change without notice.
Only main changes in specifications are described in this document. Please be sure to read the relevant catalogs, datasheets, product specifications, instructions, and manuals for precautions and necessary information when using products.