5520/4N5520 5515

Arm length **Vertical** axis 200_{mm} Vertical axis 150_{mm}

■Model Specification Items

IXP

N 55

Number

of axes

3: 3 axes

Arm length 55:550mm 20 Vertical axis stroke Gripper

No gripper

Large gripper installed

:200mm

15GL :150mm

15GW :150mm

WA **Encoder type**

WA: Battery-less absolute Extra-large gripper installed specification Cable length

N: None X□□: Specified length P: 1m R□□: Robot cable S:3m Cable length described below M: 5m

P3

Applicable

controller

P3: MSEL

Option

B: Brake

*Controller is not included.

CE RoHS





- •Refer to P. 7 for *1 through *6.
- •Make sure to select the brake option when the payload is 4kg or more.
- •The vertical axis does not support push-motion control.
- •The allowable push force should be 90N under condition of having a buffer such as a spring on a tool or the pressing side.
- •Refer to P. 7 for the work envelope, and P. 8 for the notes on acceleration/deceleration setting.

Robot	Sp	ecit	icati	ions

	or opecifications									
Axis configuration		Arm			Maximum operating speed in PTP mode *2				Payload (kg) *3	
		length (mm)	work envelope	repeatability *1	No gripper With large gripper		With extra-large gripper (GW)	Rated	Maximum	
Axis 1	Arm 1	260	±127°	±0.04mm	2943mm/s	2943mm/s	2943mm/s			
Axis 2	Arm 2	290	±127°	±0.0411111	(Composite speed)	(Composite speed)	(Composite speed)	2	6	
Axis 3	Vertical axis	_	200mm (Note 1)	±0.02mm	240mm/s	240mm/s	240mm/s		0	
	Rotational axis	_	±360°	±0.02°	700°/s	_	_			
Axis 4	Large gripper GL (Note 2)	_	22mm (Both fingers)	±0.01mm	_	125mm/s (One finger)	_	_	1.5 (Note 3)	
	Extra-large gripper GW (Note 2)	_	30mm (Both fingers)	±0.01mm	_	_	157mm/s (One finger)	_	2.5 (Note 3)	

(Note 1) When the extra-large gripper is installed, the work envelope of the vertical axis becomes 150mm. (Note 2) Refer to the gripper selection guide in our ROBO Cylinder General Catalog. (Note 3) This is the maximum payload on the gripper when it is attached to a SCARA Robot.

Robot Specifications

	3-axis specification	4-axis	3-axis sp	ecification	
	No gripper	specification	With large gripper (GL)	With extra-large gripper (GW)	
Encoder type		Battery-less ab:	solute encoder *		
User wiring		26×5P (shielded) eparately. Refer to the detail.	User wiring is not supported because the gripper wiring is used.		
User piping			2.5, 3 air tubes ng pressure 0.8MPa		
Standard cycle time *4 (sec)	0.	73	0.73 (When transporting 2kg including a gripper)		
Allowable torque (Axis 4) (N·m)	_	3.06	_		
Allowable moment (N·m)	9.4		Ma:3.8 Mb:5.5 Mc:9.4	Ma:9.4 Mb:9.4 Mc:9.4	
Allowable inertial moment from the tip of the vertical axis *5 (kg·m²)	Rated 0.01 Rated 0.01 Maximum 0.03 Maximum 0.01		Maximum 0.024		
Ambient operating temperature/humidity	Temperature 0 ~ 40°C Humidity 20 ~ 85%RH (Non-condensing				
Unit weight (kg)	20	21	21.3	21.9	

*The gripper is incremental type

Attached Gripper Types	
IXP-3N5515GL	The large gripper RCP4-GRSLL is installed at the tip of the vertical axis.
IXP-3N5515GW	The extra-large gripper RCP4-GRSWL is installed at the tip of the vertical axis.

Option			
Name	Option code	Reference page	Standard price
Brake	В	Refer to our ROBO Cylinder General Catalog	_

*Make sure to select the brake option when the payload is 4kg or more.

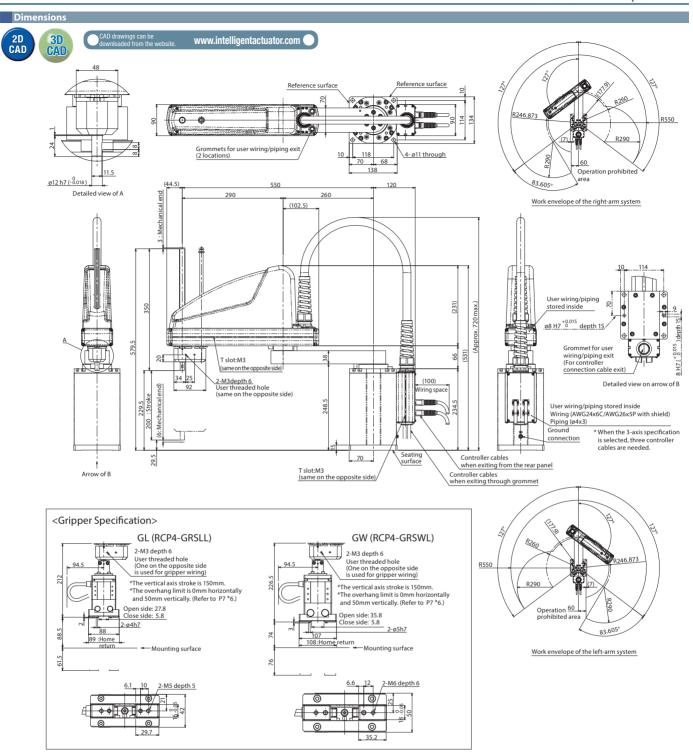
Price List

Specification	Model number	Standard price		
3-axis specification	IXP-3N5520	_		
3-axis specification with large gripper	IXP-3N5515GL	_		
3-axis specification with extra-large gripper	IXP-3N5515GW	_		
4-axis specification	IXP-4N5520	_		

Cable Length < Per Axis*>

cubic Ecligati <	CI TO(IS >	
Туре	Cable code	Standard price
	P (1m)	_
Standard type	S (3m)	_
	M (5m)	_
	X06 (6m) ~ X10 (10m)	_
Specified length	X11 (11m) ~ X15 (15m)	_
	X16 (16m) ~ X20 (20m)	_
	R01 (1m) ~ R03 (3m)	_
	R04 (4m) ~ R05 (5m)	_
Robot cable	R06 (6m) ~ R10 (10m)	_
	R11 (11m) ~ R15 (15m)	_
	R16 (16m) ~ R20 (20m)	_

*The 3-axis specification requires three cables, while the gripper specification and 4-axis specification require four cables



Applicable Controller IXP series robots can operate with the following controllers. Make sure to select the model depending on the purpose.											
Name	External view	Maximum number of controlled axes	Supply voltage	Position	Pulse train	Control met Program	hod Network *Option	Max. pos. points	Standard price	Reference page	
MSEL-PCX/PGX		4	Single-phase 100V ~ 230V	-	-	•	DeviceNet CC-Link GROUP EtherNet/IP	30000	-	→P37	