

직각좌표로봇

DRG Series

병렬

소형 일반 직교로봇 (병렬)

해당 도면은 컨셉 도면으로, 영업 담당자를 통하여 도면 확정 필요합니다.



1	2	3	4	5	6	7	8	9
Series	Base width	Type 1	Type 2	Motor Power	Encoder	Lead	Stroke	Option
DRG	40	C	S	100	I	L02	50	S3

1 Series

New!

Name of Series : DRG/DRGC Series is New Cartesian Robot

DRG : New Cartesian Robot, Single Axis, High Rigidity, Slider Integration

DRGC : New Clean Cartesian Robot, Single Axis, High Rigidity, Slider Integration

2 Base width

The base width of each models

3 Type 1

Models type of DRG / DRGC Series

C

4 Type 2

The type of actuator or drive

S : Ball Screw, Straight Type (Motor-in-line Type)

6 Encoder

A : Absolute Encoder
The current slider position will be retained even after the power is turned off, so origin return is not required when the power is turned on.

I : Incremental Encoder
The slider position data will be cleared once the power is turned off, so origin return is required whenever the power is turned on.

7 Lead

The speed of Ballscrew type is decided by lead length and the speed of belt type is decided by reduction gear rate.
(Ex : L05=Lead 5mm)
* 3,000RPM is maximum speed of the standard servo motor.
Speed is different by payload and operation conditions.

8 Stroke

The operation range of Caresian Robot
(Ex : 200~200mm)

SPECIFICATION

Model	Repeatability	Speed	Stroke	Payload(Hor)	Payload(Ver)	Download	
						DWG	STP
DRG40C-P	Rolled ±0.008 / Grinding ±0.005	100~250mm/s	50~250mm	7kg	3.5kg		
DRG50C-P	Rolled ±0.008 / Grinding ±0.005	250~500mm/s	50~500mm	15kg	7.5kg		
DRG60C-P	Rolled ±0.008 / Grinding ±0.005	250~500mm/s	50~800mm	17kg	8.5kg		

SPECIFICATION

Model	Repeatability	Speed	Stroke	Payload(Hor)	Payload(Ver)	Download	
						DWG	STP
DRG40C-P	Rolled ±0.008 / Grinding ±0.005	100~250mm/s	50~250mm	7kg	3.5kg		
DRG50C-P	Rolled ±0.008 / Grinding ±0.005	250~500mm/s	50~500mm	15kg	7.5kg		
DRG60C-P	Rolled ±0.008 / Grinding ±0.005	250~500mm/s	50~800mm	17kg	8.5kg		

직각좌표로봇

DRG Series

직렬

소형 일반 직교로봇 (직렬)

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1Series

2Base width

3Type 1

4Type 2

5Motor Power

6Encoder

7Lead

8Stroke

9Option

DRG40C-S100-I-L02-50-S3

1Series

New!

Name of Series : DRG/DRGC Series is New Cartesian Robot

DRG : New Cartesian Robot, Single Axis, High Rigidity, Slider Integration

DRGC : New Clean Cartesian Robot, Single Axis, High Rigidity, Slider Integration

2Base width

The base width of each models

3Type 1

Models type of DRG / DRGC Series

C

4Type 2

The type of actuator or drive

S : Ball Screw, Straight Type (Motor-in-line Type)

LP : Ball Screw, Left side parallel type (Motor side mount-left)

RP : Ball Screw, Right side parallel type (Motor side mount-right)

BP : Ball Screw, Rear side parallel type (Motor side mount-bottom)

5Motor Power

Motor Capacity

(Ex : 100 = 100W) / 100B = 100W(Brake)

6Encoder

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The current slider position will be retained even after the power is turned off, so origin return is not required when the power is turned on.

I : Incremental Encoder

The slider position data will be cleared once the power is turned off, so origin return is required whenever the power is turned on.

7Lead

The speed of Ballscrew type is decided by lead length and the speed of belt type is decided by reduction gear rate.

(Ex : L05=Lead 5mm)

* 3,000RPM is maximum speed of the standard servo motor.

Speed is different by payload and operation conditions.

8Stroke

The operation range of Caresian Robot

(Ex : 300=300mm)

9Option

The option to be equipped on the robot

S0 : No sensor

S3 : External sensor

Type

직렬

Base Width

DRG 30, 40, 50, 60, 90

Stroke

25~1000mm

Payload

3~35kg

Max Speed

250~1000mm/s

SPECIFICATION

Model	Repeatability	Speed	Stroke	Payload(Hor)	Payload(Ver)	Download	
						DWG	STP
DRG30C-S	Rolled ±0.008 / Grinding ±0.005	50~300mm/s	25~150mm	4kg	1.5~2kg		
DRG40C-S	Rolled ±0.008 / Grinding ±0.005	100~250mm/s	50~250mm	7kg	3.5kg		
DRG50C-S	Rolled ±0.008 / Grinding ±0.005	250~500mm/s	50~500mm	15kg	7.5kg		
DRG60C-S	Rolled ±0.008 / Grinding ±0.005	250~500mm/s	50~800mm	17kg	8.5kg		
DRG90C-S	Rolled ±0.01 / Grinding ±0.008	250~1000mm/s	100~1000mm	30kg	15kg		