



External Exports of Poland,
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ROBOHAND GANTRY ROBOT & GRIPPER SYSTEM

AUTO LIFTER · AIR CHUCK · ROTARY CYLINDERS · SLIDE CYLINDERS · SWIVEL UNIT



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AIR CHUCK

3PF-A

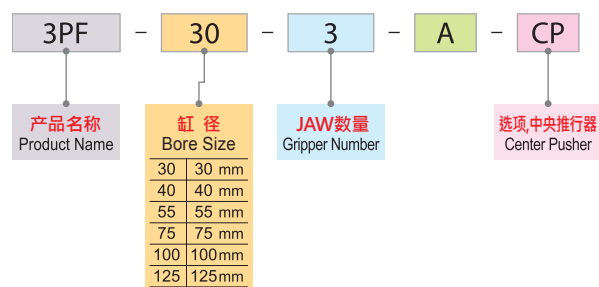


- * Surface pressure driving type by taper sliding
- * Possible to use by Air port's branch structure and when using underside Airport(BP)
- * Easy to grip the center of workpiece by the cylindrical structure
- * Extremely precise for gripping with small clearance under heavy loads

FEATURES OF PRODUCT 特性

- 利用Taper Sliding式的坚固楔型驱动方式
- 圆型机体结构,便于工件的夹持中心定位
- 空气端口的分机结构可以选择使用,使用底面空气端口(BP)时在

ORDERING CODE 订购记号



PRODUCT CONTENTS 产品规格

PRODUCTS NAME	3PF303A	3PF403A	3PF553A	3PF753A	3PF1003A	3PF1253A
Bore Size(mm)	30	40	55	75	100	125
Stroke(mm)	8	12	16	20	26	32
Gripping Force kg(5MPa)	23.5/21	56/50	89/80	155/132	276.5/254	521.5/485
Fitting Size	M5		PT 1/8			
Weight (kg)	0.25	0.41	0.75	1.5	2.52	4.72
Used Fluid	Clean Air					
Operating Pressure	0.3~0.7 Mpa					
Operating Temperature(°C)	0~60					
Repetition Accuracy(mm)	±0.01				±0.02	±0.05

AIR CHUCK

3PF

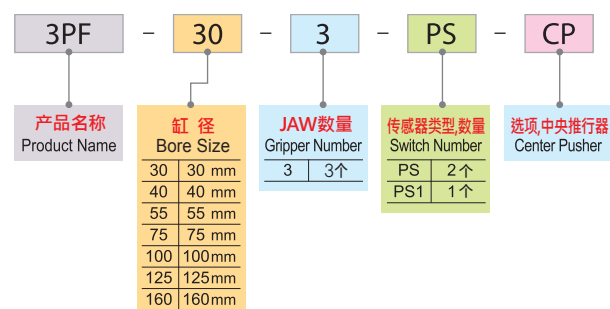


- * Surface pressure driving type by taper sliding
- * Possible to use by Air port's branch structure and when using underside Airport(BP)
- * Easy to grip the center of workpiece by the cylindrical structure
- * Extremely precise for gripping with small clearance under heavy loads
- * Proximity sensor is available for open-close sensing

FEATURES OF PRODUCT 特性

- 利用Taper Sliding式的坚固楔型驱动方式
- 圆型机体结构,便于工件的夹持中心定位
- 空气端口的分机结构可以选择使用,使用底面空气端口(BP)时在

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PRODUCT CONTENTS 产品规格

PRODUCTS NAME	3PF303	3PF403	3PF553	3PF753	3PF1003	3PF1253	3PF1603
Bore Size(mm)	30	40	55	75	100	125	160
Stroke(mm)	8	12	16	20	26	32	60
Gripping Force kg(5MPa)	23.5/21	56/50	89/80	155/132	276.5/254	521.5/485	
Fitting Size	M5		PT 1/8				
Weight (kg)	0.25	0.41	0.75	1.5	2.52	4.72	11
Used Fluid	Clean Air						
Operating Pressure	0.3~0.7 Mpa						
Operating Temperature(°C)	0~60						
Repetition Accuracy(mm)	±0.01				±0.02	±0.05	

AIR CHUCK

2PF

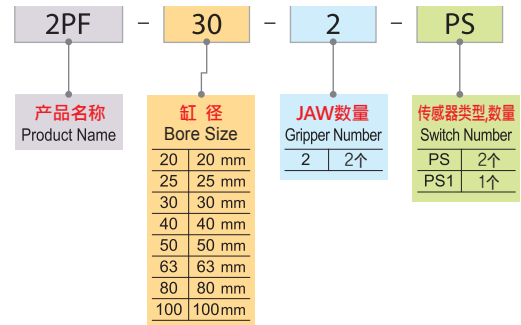


- * Surface pressure driving type by taper sliding
- * High-tensile aluminum body with lightest possible because of hard anodizing
- * Possible to use by Air port's branch structure and when using underside Airport(BP)
- * Extremely precise for gripping with small clearance under heavy loads
- * Proximity sensor is available for open-close sensing

FEATURES OF PRODUCT 特性

- 利用锥度滑动的楔型面压驱动方式
- 简洁的结构和多样的连接方式
- 只可以附着接近开关
- 使用背面端口(BP选择), 模块构成时空气排管里TUBE可以省略,可节省空间,追求方便性

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产品规格 PRODUCT CONTENTS

PRODUCTS NAME	2PF202	2PF252	2PF302	2PF402	2PF502	2PF632	2PF802	2PF1002
Bore Size(mm)	20	25	30	40	50	63	80	100
Stroke(mm)	8	12	16	20	26	32	50	60
Gripping Force kg(5MPa)	8.6/7.1	19/16	30/26	45/35	70/59	93.5/75	158/130	178/188
Fitting Size	M5				PT 1/8			
Weight (kg)	0.15	0.25	0.41	0.75	1.5	2.65	5.35	8.3
Used Fluid	Clean Air							
Operating Pressure	0.3~0.7 Mpa							
Operating Temperature(°C)	0~60							
Repetition Accuracy(mm)	±0.01				±0.02			

AIR CHUCK

RGW

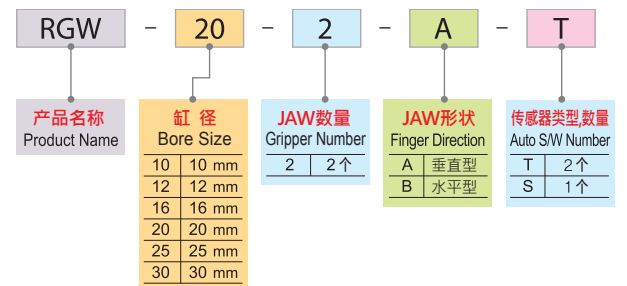


- * Parallel Open-Close type of Rack & pinion
- * High gripping forces by the structure of synchronized dual piston
- * Magnetic sensor is available for open-close sensing

FEATURES OF PRODUCT 特性

- 利用齿轮齿条的平行开闭型
- 两个气缸内装型,具有强大的夹持力
- 可附着开闭检出确认开关

ORDERING CODE 订购记号



PRODUCT CONTENTS 产品规格

PRODUCTS NAME	RGW-102	RGW-122	RGW-162	RGW-202	RGW-252	RGW-302
Bore Size(mm)	10	12	16	20	25	30
Stroke(mm)	Closing width	16	20	54	76	110
	Opening width	46	64	84	116	170
	STROKE	10	20	30	40	60
Gripping Force (N)	Closing	(P-0.16) × (80-3L)	(P-0.14) × (140-5L)	(P-0.09) × (25011L)	(P-0.07) × (32010L)	(P-0.06) × (550-17L)
	Opening	(P-0.03) × (830-18L)				
Fitting Size	M5					
Weight (kg)	0.17	0.29	0.47	1.10	1.8	3
Max. Length attach (mm)	30	45	75	100	120	150
Used Fluid	Clean Air					
Operating Pressure (kgf/cm²)	3~7					
Lubrication	Radish lubrication (1 type of turbine oil when refuelling ISOVG 32)					
Operating Temperature(°C)	5~60					
Repetition Accuracy(mm)	±0.05					

AIR CHUCK

RGWL

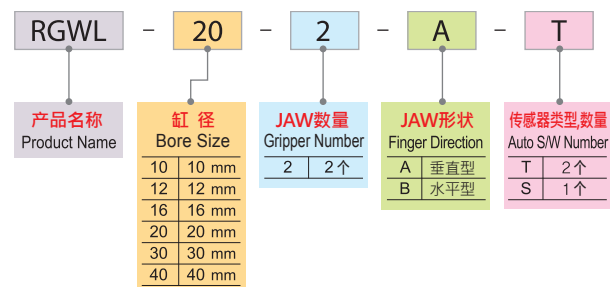


- * Parallel open & close type General Hand by Link Lever
- * Compact type structure and stable gripping force ensured with synchronization of 2 sets of cylinders by York
- * Convenient for variou.

FEATURES OF PRODUCT 特性

- 利用齿轮齿条的平行开闭型
- 两个气缸内装型,具有强大的夹持力
- 可附着开闭检出确认开关

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PRODUCT CONTENTS 产品规格

PRODUCTS NAME	RGWL-102	RGWL-122	RGWL-162	RGWL-202	RGWL-302	RGWL-402
Bore Size(mm)	10	12	16	20	30	40
Stroke(mm)	Closing width	30	40	48	68	100
	Opening width	40	60	78	108	160
	STROKE	10	20	30	40	60
Gripping Force (N)	Closing	(P-0.16) × (80-3L)	(P-0.14) × (140-5L)	(P-0.09) × (25011L)	(P-0.07) × (32010L)	(P-0.06) × (550-17L)
	Opening					(P-0.03) × (830-18L)
Fitting Size	M5					PT1/8
Weight (kg)	0.17	0.29	0.53	1.10	2.9	5.8
Max. Length attach(mm)	30	45	75	100	120	150
Used Fluid	Clean Air					
Operating Pressure (kgf/cm²)	3~7					
Lubrication	Radish lubrication (1 type of turbine oil when refuelling ISOVG 32)					
Operating Temperature(°C)	5~60					
Repetition Accuracy(mm)	±0.05					

AIR CHUCK

RGP

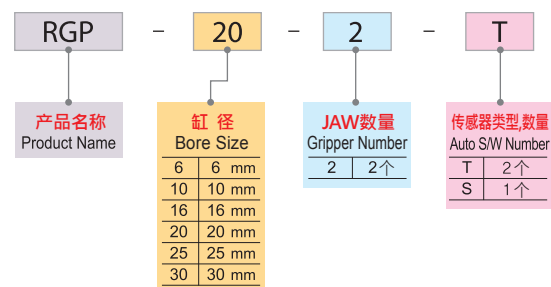


- * Cross roller guide type
- * Increase durability and movement stability through roller guide parallel layout
- * Magnetic sensor is available for open-close sensing
- * Suitable to grip a small and light workpiece, High repeatability

FEATURES OF PRODUCT 特性

- 使用交叉滚轮的高精密平行开闭型
- 滚轮导轨的并列布置,增加耐久性及动作的稳定性
- 可附着磁感应开关
- 重复精度高,抗扭矩性能强,适合于小型,轻量工件

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PRODUCT CONTENTS 产品规格

PRODUCTS NAME	RGP-062D	RGP-102D	RGP-162D	RGP-202D	RGP-252D	RGP-302D
Bore Size(mm)	6	10	16	20	25	30
Stroke(mm)	4	6	8	12	16	24
Gripping Force (kgf)	Closing	0.84	3.42	8.16	12	20.1
	Opening	1.12	4.57	9.49	14	24
Fitting Size	M3			M5		
Weight (kg)	0.05	0.05	0.12	0.25	0.45	0.7
Max. Length attach (mm)	20	30	40	50	60	80
Used Fluid	Clean Air					
Operating Pressure (kgf/cm²)	3~7					
Lubrication	Radish lubrication (1 type of turbine oil when refuelling ISOVG 32)					
Operating Temperature(°C)	5~60					
Repetition Accuracy(mm)	±0.01					
Max. Cycle per Minute (C.P.M)	160					

AIR CHUCK

2PF26

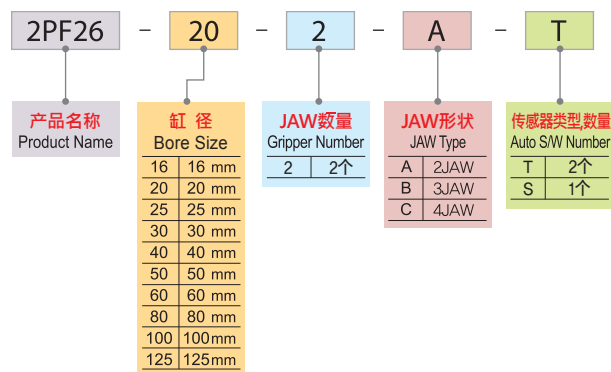


- * Great gripping force by link lever
- * Wide and various selection possible by various size
- * Link lever type gripper by the cylindrical structure
- * Various type by 2,3,4 jaw
- * Magnetic sensor is available for open-close sensing

FEATURES OF PRODUCT 特性

- 联臂式,圆形机体结构的 气爪, 2/3/4Jaw的多样模型
- $\Phi 16 \sim \Phi 125$ 拥有丰富的机型, 选择面广
- 利用联动杠杆,提高气缸的推力, 具有良好的夹持力

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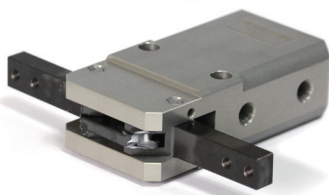


PRODUCT CONTENTS 产品规格

PRODUCTS NAME	2PF26-16	2PF26-20	2PF26-25	2PF26-30	2PF26-40	2PF26-50	2PF26-60	2PF26-80	2PF26-100	2PF26-125
Bore Size(mm)	16	20	25	30	40	50	60	80	100	125
Stroke(mm)	6	8	10	12	16	20	25	30	40	45
Gripping Force (N)	Closing	8	12.3	18.7	29	54	83.5	142	231	363
	Opening	9.3	14.6	22.3	34.2	65	99.5	158	256	400
Fitting Size	M5			PT1/8				PT3/8		
Weight (kgf)	0.12	0.21	0.4	0.6	1.2	1.7	2.7	4.5	6.4	9.1
Max. Length attach (mm)	20	25	30	35	40	50	60	80	100	120
Used Fluid	Clean Air									
Operating Pressure (kgf/cm ²)	3~7									
Lubrication	Radish lubrication (1 type of turbine oil when refuelling ISOVG 32)									
Operating Temperature(°C)	5~60									
Repetition Accuracy(mm)	±0.05			±0.08				±0.1		

AIR CHUCK

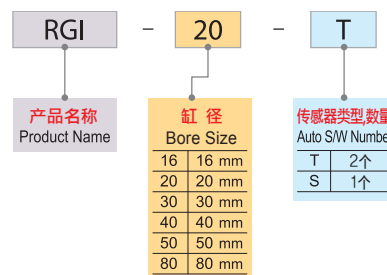
RGI



FEATURES OF PRODUCT 特性

- 使用曲柄的广角型角度开闭方式
- 与联臂式相比实现低游隔及提高耐磨损性
- 生产各种大小的产品,追求选择的方便性
- 可以在全机型附着开闭检出开关

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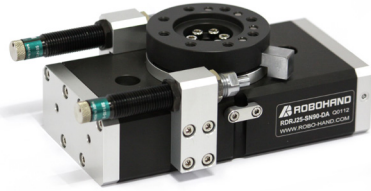
产品规格 PRODUCT CONTENTS

PRODUCTS NAME		RGI-16	RGI-20	RGI-30	RGI-40	RGI-50	RGI-80
Bore Size(mm)		16	20	30	40	50	80
Stroke (")		-5 ~ 180	-5 ~ 180	-5 ~ 180	-5 ~ 180	-5 ~ 180	-5 ~ 180
Gripping Force (N) Air Consumption(5bar)	Closing	2.1	3.4	8.2	14.5	25.2	83
Fitting Size		M5		PT1/8			
Weight (kgf)		0.15	0.29	0.65	1.16	2.2	4.6
Max. Length attach (mm)		50	80	95	120	140	17
Used Fluid		Clean Air					
Operating Pressure (kgf/cm ²)		3~7					
Lubrication		Radish lubrication (1 type of turbine oil when refuelling ISOVG 32)					
Operating Temperature(°C)		5~60					
Repetition Accuracy Degree of position(mm)	Initial value	±0.1					
Max. Cycle per Minute (C.P.M)		60					

- * Wide angular type by crank lever driving unit
- * Low gap and wear resistance improvement beside link lever type
- * Pursued convenience of selection by manufacturing various sizes.
- * Magnetic sensor is available for open-close sensing

ROTARY CYLINDERS

RDRJ

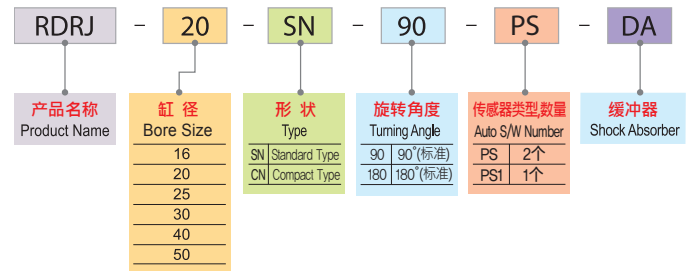


- * Pursued convenience of mounting and air pipe by tubular shaft design
- * Double power type which 2 cylinders generating thrust at the same time
- * Real stopping system of stop force in same as turning's
- * Mounting for inductive proximity sensor

FEATURES OF PRODUCT 特性

- 两个气缸同时发生推力的双推力型
- 设计中空轴,达到空气接口及工件连接的方便性
- 为发挥最大功能,适用合理的要素
- 与旋转力相同停止力的实时控制停止系统

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PRODUCT CONTENTS 产品规格

PRODUCTS NAME		RDRJ16	RDRJ20	RDRJ25	RDRJ30	RDRJ40	RDRJ50
Rotation Angle(°)		0~180					
Shock absorber		Shock absorber					
Actual Torque (N.m)		0.234P	0.48P	1.030P	1.49P	3.16P	6.435
Fitting Size		M5	PT 1/8				
Weight (kg) 90 ° /180 °		0.86/0.82	2.15/2.11	2.74/2.66	3.86/3.74	6.80/6.60	11.60/11.50
Radial Payload (kg)		7.9	10	14	16	25	30
Compress Load(thrust) (kg)		7.9	9	10	12	20	26
Turning Time (sec)	90 °	0.2~1.0			0.3~1.0	0.4~1.2	0.6~3.0
	180 °	0.2~1.8			0.4~1.2	0.5~1.4	0.7~3.4
Used Fluid		Clean Air					
Operating Pressure		0.3~0.7 Mpa					
Lubrication		Radish lubrication (1 type of turbine oil when refuelling ISOVG 32)					
Operating Temperature(℃)		0~60					
Drive Characteristics		Double Acting					

ROTARY CYLINDERS

RRC

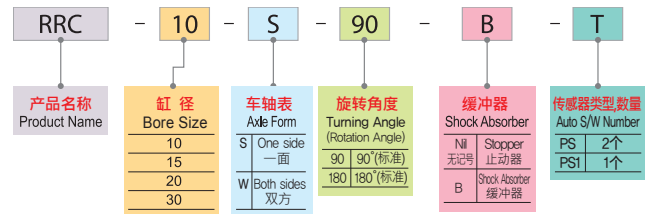


- * Low rotation resistance through using low-friction packing
- * Ease to adjust angle by stopper (possible to attach absorber)
- * Possible to select absorber
- * Economical rotary cylinder of rack & pinion structure

FEATURES OF PRODUCT 特性

- 无需Key方式的转盘连接型
- 齿轮齿条结构的经济型旋转气缸
- 使用低磨擦垫,而旋转阻力低
- 安装Wearing提高耐久性
- 利用闭锁装置可方便调节角度

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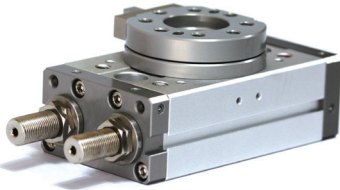


PRODUCT CONTENTS 产品规格

PRODUCTS NAME		RRC-10S	RRC-15S	RRC-20S	RRC-30S
Bore Size(mm)		10	13	18	20
Rotation Angle and Range of adjustment (°)		90 ± 10 °, 180 ± 10 °			
Cushion	Attach Adjusting bolt	Urentan			
	Attach Shock absorber	Shock absorber			
Theoretical Torque (kgf.cm) (P=5kgf/㎠ 기준)		3	7.3	12.2	28.3
Fitting Size		M5		PT 1/8	
Weight (g)	90°	120	220	650	690
	180°	150	270	750	1,100
Max. Radial load(kgf)		1.5	2	5	8
Max. Thrust load(kgf)		1.6	2	5	10
90 ° Rotational Time Reference (sec)	Attach Adjusting bolt	0.2~0.7		0.2~1	
	Attach Shock absorber	0.2~0.5		0.2~0.7	
Used Fluid		Clean Air			
Operating Pressure (kgf/㎠)		1.5~7.1			
Lubrication		Radish lubrication (1 type of turbine oil when refuelling ISOVG 32)			
Operating Temperature(℃)		5~60			
Drive Characteristics		Double Acting			

ROTARY CYLINDERS

RRT-S

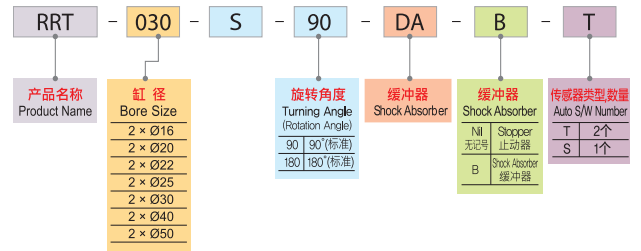


- * Rotary Cylinder in Double Piston by Rack & Pinion
- * Diversity of installation
- * High-power compared with other models
- * Unified wiring processing by hollow shaft

FEATURES OF PRODUCT 特性

- 两个气缸同时发生推力的双推力型
- 设计成中空轴,达到空气接口及工件连接的方便性
- 与旋转力相同停止力的实时控制停止系统

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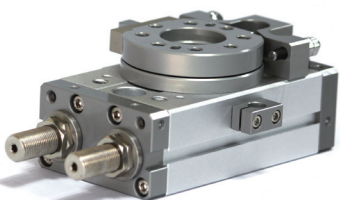


PRODUCT CONTENTS 产品规格

PRODUCTS NAME		RRT-16S	RRT-20S	RRT-22S	RRT-25S	RRT-30S	RRT-40S	RRT-50S
Bore Size(mm)		2×16	2×20	2×22	2×25	2×30	2×40	2×50
Rotation Angle (°)		0~190°						
Cushion	Attach Adjusting bolt	Urentan						
	Attach Shock absorber	Shock absorber						
Actural Torque (kgf.cm)		2 * P	4 * P	4.8 * P	8.2 * P	14.8 * P	31 * P	74 * P
Fitting Size		M5	M5	PT 1/8	~	~	PT 1/8	
Weight (kg)		0.56	1	1.27	2.02	3.10	6.8	12
Max. Radial load(kgf)		7.9	15	20	32	34	40	55.4
Max. Thrust load(kgf)		7.9	13.9	37	46	49	72	102.9
90 ° Rotational Time Reference (sec)	Attach Adjusting bolt	0.2~1.0				0.2~1.5	0.2~2.0	
	Attach Shock absorber	0.2~0.7				0.2~1.0		
Used Fluid		Clean Air						
Operating Pressure (kgf/cm ²)		3~7						
Lubrication		Radish lubrication (1 type of turbine oil when refuelling ISOVG 32)						
Operating Temperature(°C)		5~60						
Drive Characteristics		Double Acting						
Repetition Accuracy Degree of position(mm)	Initial value	±0.05						
	After 1 million hits,	±0.07						

ROTARY CYLINDERS

RRT-ST

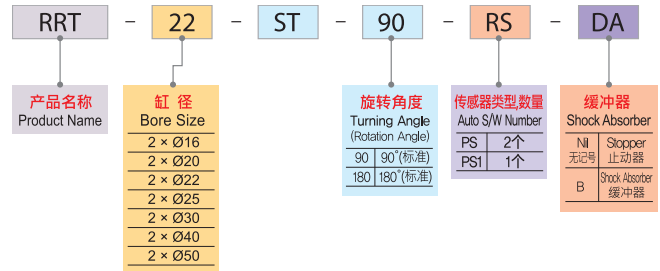


- * Rotary Cylinder in Double Piston by Rack & Pinion
- * Diversity of installation
- * High-power compared with other models
- * Unified wiring processing by hollow shaft

FEATURES OF PRODUCT 特性

- 两个气缸同时发生推力的双推力型
- 设计成中空轴,达到空气接口及工件连接的方便性
- 与旋转力相同停止力的实时控制停止系统

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PRODUCT CONTENTS 产品规格

PRODUCTS NAME		RRT-16ST	RRT-20ST	RRT-22ST	RRT-25ST	RRT-30ST	RRT-40ST	RRT-50ST
Bore Size(mm)		2×16	2×20	2×22	2×25	2×30	2×40	2×50
Rotation Angle (°)		0~190°						
Cushion	Attach Adjusting bolt	Urentan						
	Attach Shock absorber	Shock absorber						
Actural Torque (kgf.cm)		2 * P	4 * P	4.8 * P	8.2 * P	14.8 * P	31 * P	74 * P
Fitting Size		M5	M5	PT 1/8	~	~	PT 1/8	
Weight (kg)		0.56	1	1.27	2.02	3.10	6.8	12
Max. Radial load(kgf)		7.9	15	20	32	34	40	55.4
Max. Thrust load(kgf)		7.9	13.9	37	46	49	72	102.9
90 ° Rotational Time	Attach Adjusting bolt	0.2~1.0				0.2~1.5	0.2~2.0	
Reference (sec)	Attach Shock absorber	0.2~0.7				0.2~1.0		
Used Fluid		Clean Air						
Operating Pressure (kgf/cm ²)		3~7						
Lubrication		Radish lubrication (1 type of turbine oil when refuelling ISOVG 32)						
Operating Temperature(°C)		5~60						
Drive Characteristics		Double Acting						
Repetition Accuracy	Initial value	±0.05						
Degree of position(mm)	After 1 million hits.	±0.07						

ROBOHAND

GANTRY ROBOT & GRIPPER SYSTEM

The World Best Actuator Technology

Where only the best technique will survive,
our ROBOHAND staff & management will be united in one mind
to put forth our efforts to advance not only domestically but also worldwide.

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