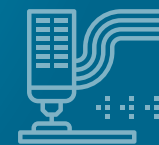
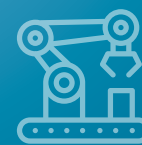
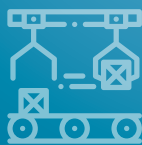
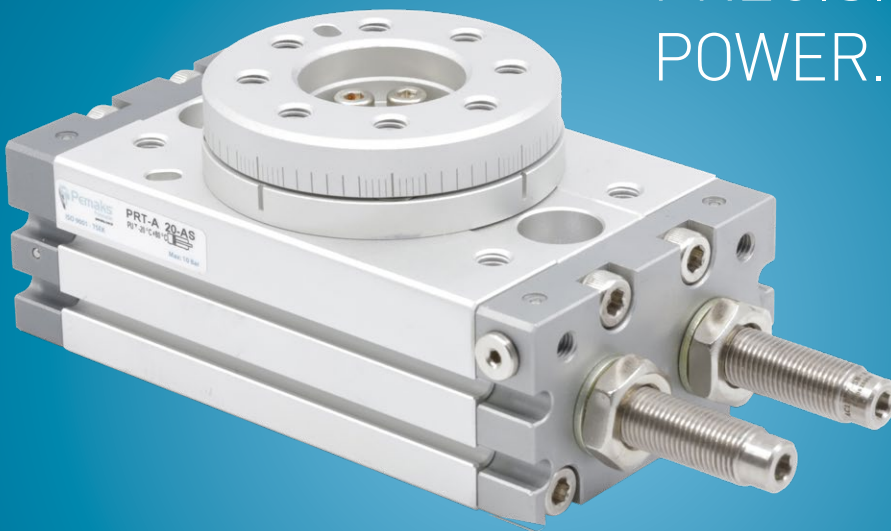




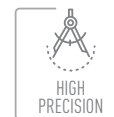
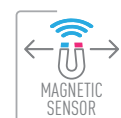
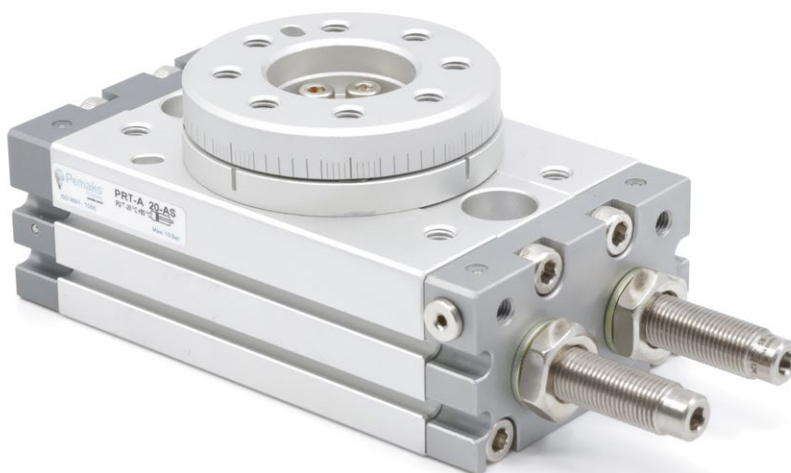
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POWER. TOGETHER.



PRT-A Series
SEMI-ROTARY DRIVES
Ø10 - Ø50

ONE BRAND, COMPLETE SOLUTIONS
IN PNEUMATIC AUTOMATION

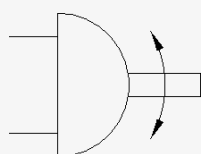
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PRT-A Series

Ø10 - Ø25

SEMI-ROTARY DRIVES



- OPTIMUM PRICE HIGH PERFORMANCE
- HIGH POSITIONING ACCURACY
- PRECISE ANGLE ADJUSTMENT IN FINAL POSITIONS WITH SHOCK ABSORBER or ADJUSTABLE METAL END POSITION
- HIGH LOAD CAPACITY
- LOW CAVITY FLANGE MOUNTING
- READY MOUNTING HOLES ON BODY AND FLANGE
- AIR CONNECTION HOLES IN ONE COVER, TWO DIFFERENT SURFACES FOR EASY AIR CONNECTION
- END POSITION DETECTION WITH C CHANNEL MAGNETIC SENSOR
- IT CAN BE USED IN ALL SENSITIVE APPLICATIONS, ESPECIALLY TRANSPORT APPLICATIONS
- **SHOCK ABSORBING OPTION TO MEET HIGH MASS MOMENTS OF INERTIA**

TECHNICAL INFORMATION				
Product Size (Ø mm)	10	20	30	50
Operating Temperature (°C)	0°C .. + 60°C			
Working Fluid	Filtered (40 µm) and lubricated or filtered (40 µm) and non-lubricated air			
Operating Pressure (Adjustable Metal End)	1-10 bar			
Operating Pressure (Shock Absorber)	1-6 bar			
Angle Adjustment Range	0-190°			
Repeat Accuracy (Adjustable Metal End)	0,2°			
Repeat Accuracy (Shock Absorber)	0,05°			
Cushioning (Adjustable Metal End)	Rubber Bumper			
Cushioning (Shock Absorber)	Shock Absorber			
Theoretical Torque (N·m) (6 bar)	1,32	2,64	3,36	6
Weight (Adjustable Metal End)	520	1010	1300	2110
Weight (Shock Absorber)	530	1020	1310	2120

ORDER SAMPLE

PRT-	A-	20	AS
Product code	A: Magnetic Magnetic is standard	Product Size	Function A: Shock absorber AS: Adjustable metal end

Minimum rotation angle that will not allow decrease of energy absorption ability

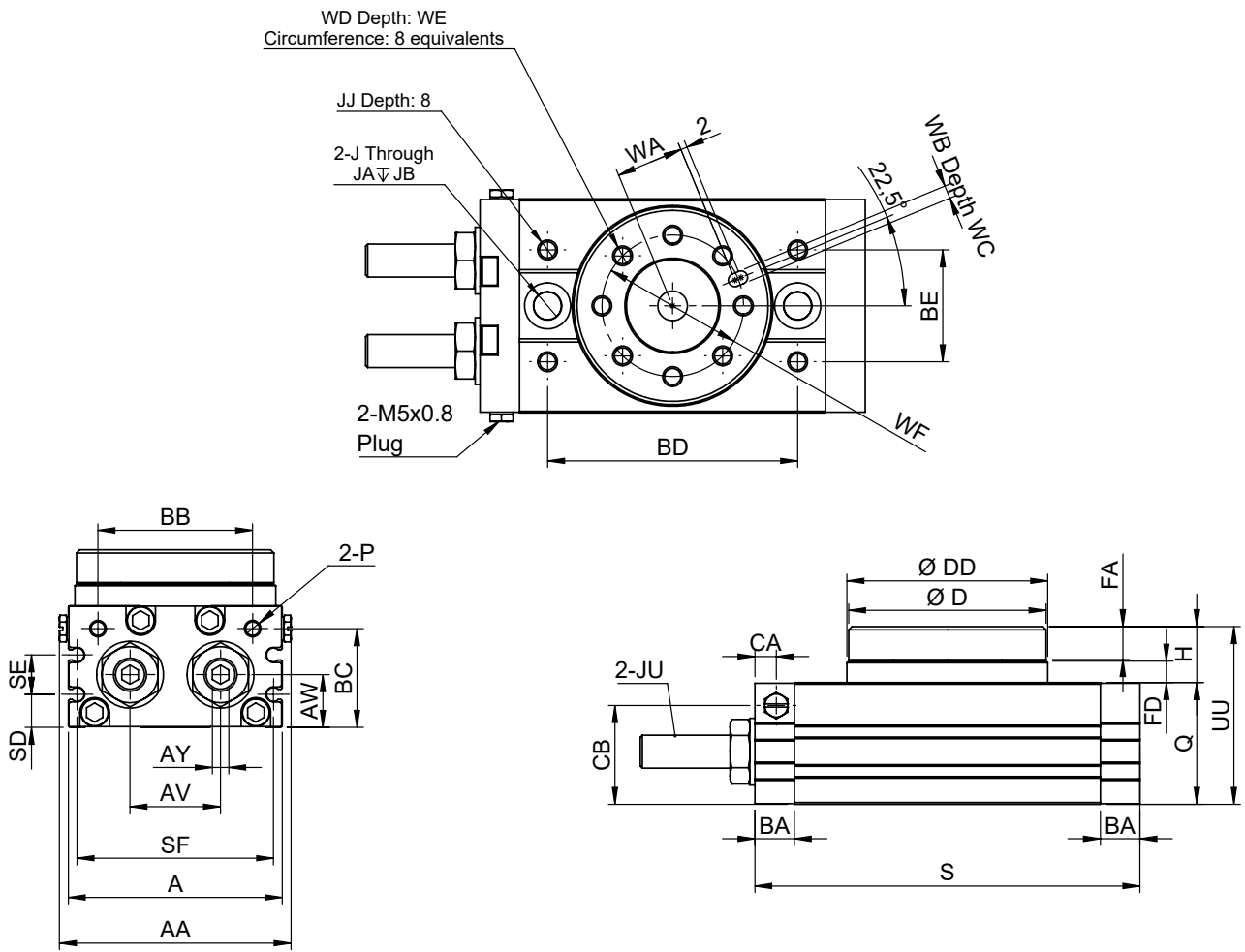
Ø10	Ø20	Ø30	Ø50
52°	43°	40°	60°

Product Type	Allowable Kinetic Energy [J]*		Rotation Time Adjustment Range for Stable Operations (s/90)**	
	Adjustable Metal End	Shock Absorber	Adjustable Metal End	Shock Absorber
PRT-10	0,01	0,04	0,2-1	0,2-0,7
PRT-20	0,025	0,12	0,2-1	0,2-0,7
PRT-30	0,05	0,12	0,2-1	0,2-0,7
PRT-50	0,08	0,3	0,2-1	0,2-0,7
PRT-50	0,08	0,3	0,2-1	0,2-0,7

* Operating over allowable kinetic energy value may cause damage of internal parts and product failure.

** If rotation time is set over the range shown in table, absorption ability of shock absorber will decrease drastically





Cylinder Ø mm	AA	A	AV	AW	AY	BA	BB	BC	BD	BE	CA	CB	D	DD	FA	FD	H	J
10	52.8	50	20	15.5	4	9.5	34.5	28	60	27	5	28	45 ⁰ _{-0.062}	46 ⁰ _{-0.062}	7.8	4.5	13	6.8
20	67.8	65	27.5	16	5	12	47	30	76	34	6.5	30	60 ⁰ _{-0.074}	61 ⁰ _{-0.074}	9.8	6.5	17	8.6
30	72.4	70	29	18.5	5	12	50	32.5	84	37	7	33.5	65 ⁰ _{-0.074}	67 ⁰ _{-0.074}	9.8	6.5	17	8.6
50	82.4	80	38	22	6	15.5	63	37.5	100	50	10	37.5	75 ⁰ _{-0.074}	77 ⁰ _{-0.074}	11.8	7.5	20	10.3

Cylinder Ø mm	JA	JB	JJ	JU	P	Q	S	SD	SE	SF	UU	WA	WB	WC	WD	WE	WF
10	11	6.5	M5x0.8	M8x1	M5x0.8	34	92	9	13	45	47	15	3 ^{+0.025} ₀	3.5	M5x0.8	8	32
20	14	8.5	M6x1	M10x1	M5x0.8	37	117	10	12	59.7	54	20.5	4 ^{+0.03} ₀	4.5	M6x1	10	43
30	14	8.5	M6x1	M10x1	1/8"	40	127	11.5	14	64.7	57	23	4 ^{+0.03} ₀	4.5	M6x1	10	48
50	18	10.5	M8x1.25	M14x1.5	1/8"	46	152	14.5	15	74.7	66	26.5	5 ^{+0.03} ₀	5.5	M8x1.25	12	55



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