






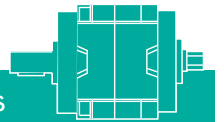
### Vane Style Series Variations

Series	Sizes																Rotating angle					Page No.
	0.5	1	2	3	7	10	15	20	30	40	50	63	70	80	100	200	90°	100°	180°	190°	270°	
<b>CRB2</b> 	Torque (at 0.5 MPa) N.m																					938
	: Single vane ( ): Double vane																					
<b>CRBU2</b> 	Rotary actuator																					950
	: Single vane ( ): Double vane																					
<b>CRB1</b> 	Rotary actuator/Free mount type																					962
	: Single vane ( ): Double vane																					
<b>MSUA</b> 	Rotary actuator																					965
	: Single vane ( ): Double vane																					
<b>MSUB</b> 	Rotary table/High precision type																					975
	: Single vane ( ): Double vane																					








Rotary Actuators



### Auto Switch Guide Section




### Rack and Pinion Style Series Variations

Series	Sizes														Rotating angle					Page No.
	0.5	1	2	3	7	10	15	20	30	40	50	63	70	80	100	200	90°	100°	180°	
<b>CRJ</b> 	Torque (at 0.5 MPa) N.m																			987
	( ) : Single rack pinion ( ) : Double rack pinion																			
<b>CRA1</b> 	Mini-rotary actuator																			989
	0.042 0.095																			
<b>CRQ2</b> 	Rotary actuator																			992
	1.91 9.27 17.2 31.7 74.3																			
<b>MSQ</b> 	Compact rotary actuator																			995
	(0.3) (0.75) (1.84) (3.11) (5.3)														80° to 100° 170° to 180°					
<b>MSQ</b> 	Mini rotary table (With adjustment bolt)																			997
	(0.09) (0.18) (0.29) (0.56)														0° to 190°					
<b>MSQ</b> 	Rotary table (With adjustment bolt, with internal absorber)																			1000
	(0.89) (1.84) (2.73) (4.64) (6.79) (10.1) (19.8)														0° to 190°					
<b>MSQ</b> 	Rotary table (With external absorber)																			1000
	(0.89) (1.84) (2.73) (4.64)																			



Rotary Actuators

### Rotary Cylinder

Series	Bore size (mm)		Standard stroke (mm)								Rotating angle					Page No.				
	32	40	5	10	15	20	25	30	40	50	75	100	90°	100°	180°		190°	270°		
<b>MRQ</b> 	Rotary Cylinder																			1002
	(0.89) (1.84) (2.73) (4.64)														80° to 100° 170° to 190°					



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