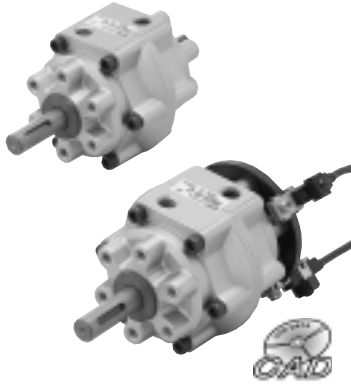


## HI-ROTOR PRN Series

Vane type rotary actuator



Model No.	Vane type	Oscillation angle	Oscillation starting point	Output torque (N·cm)	Pressure range (MPa)
PRN50S	Single vane	90°	45°	479	0.2 ~ 1
		180°	40°、45°		
		270°	45°		
		280°	40°		
PRN150S		90°	45°	1500	
		180°	40°、45°		
		270°	45°		
		280°	40°		
PRN300S		90°	45°	2850	
		180°	40°、45°		
		270°	45°		
		280°	40°		
PRN800S	90°	45°	10200		
	180°	40°、45°			
	270°	45°			
	280°	40°			
PRN50D	Double vane	90°	40°、45°	1040	0.2 ~ 1
		100°	40°		
PRN150D		90°	40°、45°	3500	
		100°	40°		
PRN300D		90°	40°、45°	6800	
		100°	40°		
PRN800D		90°	40°、45°	20600	
		100°	40°		

M type switch (reed type, proximity type) mountable.  
(Note) Output torque is the value at 0.5 MPa.

## HI-PAL HI-ROTOR PRH Series

Valve combined HI-ROTOR

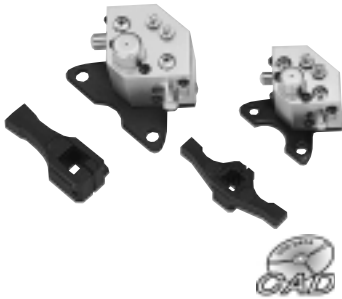


Model No.	Vane type	Oscillation angle	Oscillation starting point	Output torque (N·cm)	Pressure range (MPa)	Valve model
PRH50S	Single vane	90°	45°	479	0.2 ~ 0.8	PCS245
		180°	40°、45°			
		270°	45°			
		280°	40°			
PRH150S		90°	45°	1500		
		180°	40°、45°			
		270°	45°			
		280°	40°			
PRH300S		90°	45°	2850		
		180°	40°、45°			
		270°	45°			
		280°	40°			
PRH800S	90°	45°	10200			
	180°	40°、45°				
	270°	45°				
	280°	40°				
PRH50D	Double vane	90°	40°、45°	1040	0.2 ~ 0.8	PCS245
		100°	40°			
PRH150D		90°	40°、45°	3500		PCS2413
		100°	40°			
PRH300D		90°	40°、45°	6800		
		100°	40°			
PRH800D		90°	40°、45°	20600		PCS2408
		100°	40°			

M type switch (reed type, proximity type) mountable.  
(Note) Output torque is the value at 0.5 MPa.

## HYDRO-CUSHION CRN Series

Shock absorber for HI-ROTOR



Model No.	Oscillation angle	Oscillation starting point	Range of load ( N·cm )	Max. absorbed energy ( mJ )	Applicable HI-ROTOR
CRN50	90°	45°	981	2942	PRN50 PRH50
	100°	40°			
	180°	45°			
	270°	45°			
	280°	40°			
CRN150	90°	45°	2942	9807	PRN150 PRH150
	100°	40°			
	180°	45°			
	270°	45°			
	280°	40°			
CRN300	90°	45°	5884	19613	PRN300 PRH300
	100°	40°			
	180°	45°			
	270°	45°			
	280°	40°			
CRN800	90°	45°	19613	58840	PRN800 PRH800
	100°	40°			
	180°	45°			
	270°	45°			
	280°	40°			

## HYDRAULIC HI-ROTOR HRN Series

Hydraulic vane type rotary actuator.



Model No.	Max. oscillation angle	Rated pressure ( MPa )	Min. operating pressure ( MPa )	Allowable load ( N )	
				Radial	Thrust
HRN10S	270°	7	1	9.8	4.9
HRN10D	90°				
HRN15S	270°			19.6	9.8
HRN15D	90°				
HRN20S	270°			49	24.5
HRN20D	90°				
HRN30S	270°			78.4	39.2
HRN30D	90°				
HRN100S	270°			147	68.6
HRN100D	90°				
HRN200S	270°			294	137.2
HRN200D	90°				
HRN400S	270°			343	186.6
HRN400D	90°				
HRN700S	270°			343	166.8
HRN700D	90°				

Shaft/Double end ( keyway and square )  
Mounting/Flange mounting

## HYDRAULIC HI-ROTOR WITH CUSHION HRN Series

Hydraulic vane type rotary actuator with cushion mechanism.



Model No.	Max. oscillation angle	Rated pressure ( MPa )	Min. operating pressure ( MPa )	Allowable load ( N )	
				Radial	Thrust
HRN10S-C	180°	7	1	9.8	4.9
	90°				
HRN15S-C	180°			19.6	9.8
	90°				
HRN20S-C	180°			49	24.5
	90°				
HRN30S-C	180°			78.4	39.2
	90°				
HRN100S-C	180°			147	68.6
	90°				
HRN200S-C	180°			294	137.2
	90°				
HRN400S-C	180°			343	186.6
	90°				
HRN700S-C	180°			343	166.8
	90°				

Shaft/Double end ( keyway and square )  
Mounting/Flange mounting