

# Rotary Connectors

## Round Flanged / Compact Flanged

■ Features: Touch panels and boxes can be freely rotated.

### Round Flanged



RoHS 10

### Compact Flanged



RoHS 10

Type	Material	Surface Treatment	Clamp Lever	Screw	Nut
Round Flanged	SS400	Electroless Nickel Plating	CLMD	CB8-20x4	LBNR8x4
Compact Flanged	SS400	Black Oxide	CLMD	CB8-20x4	LBNR8x4
WROCN	SUS304 Equivalent	-	CLMS	SCB8-20x4	SLBNR8x4

Round Flanged

Compact Flanged

⚠ Structure with inner stopper prevents 360 rotation to prevent wiring from being twisted.  
 ⚠ Avoid giving excessive impact to the internal stopper when rotating, otherwise, it may cause damages.

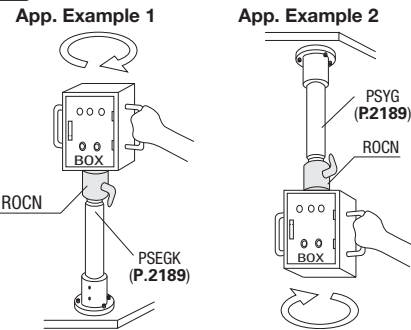
Part Number	Type	Nominal	A	D	D <sub>1</sub>	G (PF)	F	H	C	V	P.C.D.	C <sub>1</sub>	W	W <sub>1</sub>	Z	Applicable Tube	*Reference Values	
																	X <sub>1</sub> (N)	X <sub>2</sub> (N)
28	Round Flanged	28	20	50	85	G1	23	55	3	35	65	1.5	52	34	56	G28	16.4	23.5
36	ROCN	36	28	60	95	G1 1/4	26	58		45	75		62	44	62	G36	17.2	24.8
42	ROCK	42	33	65	100	G1 1/2				50	80		67	49	64	G42	18.4	30.3
54	ROCSH	54	48	80	120	G2	27	59	5	64	95	3	82	64	72	G54	19.6	32.3
70	WROCN	70	62	96	138	G2 1/2	32	63		78	112		98	76	82	G70	20.8	33.4
82	WROCK	82	72	106	148	G3				90	122		108	86	88	G82	22	34.1
92	WROCS	92	85	118	160	G3 1/2	37	68		103	134		120	94	96	G92	23.2	36.7

⚠ Take note that the applicable hollow tubes are based on JIS C 8305 Rigid Steel Conduits, but the thread section will be JIS B 0202 Parallel Threads for Tubes. (Threads for electrical conduits will not fit.)  
 ⚠ \* Please note the reference values are not guaranteed.

Ordering Example  
 Part Number  
**ROCN42**



Example



\* Assume BOX load is 50kg.  
 • As shown in App. Example 1, X<sub>1</sub>(N) is the force needed to turn the handle.  
 • As shown in App. Example 2, X<sub>2</sub>(N) is the force needed to turn the handle.

Nominal	Unit Price				
	ROCN	ROCK	ROCSH	WROCN	WROCK
28					
36					
42					
54					
70					
82					
92					

# Rotary Connectors

## Moment Load Allowable - Single Flanged, Double Flanged

■ Features: Built-in oil-free bushings enable uses under moment loads.

### Single Flanged



RoHS 10

### Doubled Flanged



RoHS 10

Type	Material	Surface Treatment	Clamp Lever	Screw	Nut
Single Flanged	SS400	Electroless Nickel Plating	CLMD	CB8-20x6	LBNR8x6
Doubled Flanged	HRCN	HRCNW			

Single Flanged (HRCN)

Doubled Flanged (HRCNW)

⚠ Structure with inner stopper prevents 360 rotation to prevent wiring from being twisted.  
 ⚠ Avoid giving excessive impact to the internal stopper when rotating, otherwise, it may cause damages.

Part Number	Type	Nominal	A	D	D <sub>1</sub>	G (PF)	F	H	C	V	P.C.D.	C <sub>1</sub>	Applicable Tube	Allowable Moment Load (Calculated Values) N · m	Unit Price 1 ~ 4 pc(s).
42		42	35	75	110	G1 1/2	26	85	3	50	90	1.5	G42	300	
54		54	50	90	125	G2	27	85		64	105		G54	500	
70		70	65	105	140	G2 1/2	32	85		78	120		G70	750	
82		82	80	120	155	G3	37	90		92	135		G82	1000	

⚠ Take note that the applicable hollow tubes are based on JIS C 8305 Rigid Steel Conduits, but the thread section will be JIS B 0202 Parallel Threads for Tubes. (Threads for electrical conduits will not fit.)  
 ⚠ Allowable moment loads are not guaranteed values. ⚠ For orders larger than indicated quantity, please request a quotation.

Part Number	Type	Nominal	A	D	D <sub>1</sub>	H	C	P.C.D.	Allowable Moment Load (Calculated Values) N · m	Unit Price 1 ~ 4 pc(s).
42		42	35	75	110	85	1.5	90	300	
54		54	50	90	125	85		105	500	
70		70	65	105	140	85		120	750	
82		82	80	120	155	90		135	1000	

⚠ Allowable moment loads are not guaranteed values. ⚠ For orders larger than indicated quantity, please request a quotation.

Ordering Example  
 Part Number  
**HRCNW54**



Example

