

Rotary Connectors

Round Flanged / Compact Flanged

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

■ Round Flanged



RoHS 10

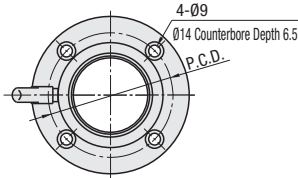
■ Compact Flanged



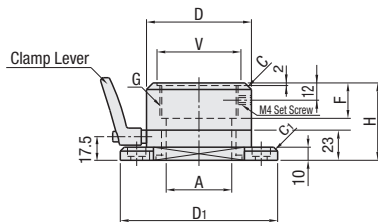
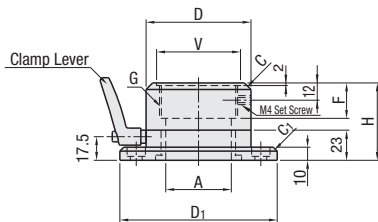
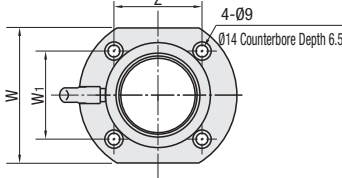
RoHS 10

Type	M Material	S Surface Treatment	A Accessory
Round Flanged			
Compact Flanged			
ROCN	WROCN	EN 1.0038 Equiv. Electroless Nickel Plating	CLMD CB8-20x4 LBNR8x4
ROCK	WROCK	EN 1.0038 Equiv. Black Oxide	CLMD CB8-20x4 LBNR8x4
ROCSH	WROCS	EN 1.4301 Equiv. -	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		A	D	D ₁	G (PF)	F	H	C	V	P.C.D.	C ₁	W	W ₁	Z	Applicable Tube	*Reference Values	
Type	Nominal															X ₁ (N)	X ₂ (N)
Round Flanged ROCN ROCK ROCSH	28	20	50	85	G1	23	55	3	35	65	1.5	52	34	56	G28	16.4	23.5
	36	28	60	95	G1 1/4	26	58		45	75		62	44	62	G36	17.2	24.8
	42	33	65	100	G1 1/2				50	80		67	49	64	G42	18.4	30.3
	54	48	80	120	G2	27	59		64	95		82	64	72	G54	19.6	32.3
Compact Flanged WROCN WROCK WROCS	70	62	96	138	G2 1/2	32	63	5	78	112	3	98	76	82	G70	20.8	33.4
	82	72	106	148	G3				90	122		108	86	88	G82	22	34.1
	92	85	118	160	G3 1/2	37	68		103	134		120	94	96	G92	23.2	36.7

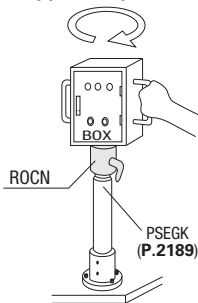
⚠ Take note that the applicable hollow tubes are based on JIS C 8305 Rigid Steel Conduits, but the thread section will be JIS B 0202 Parallel Threads for Tubes. (Threads for electrical conduits will not fit.)

⚠ * Please note the the reference values are not guaranteed.

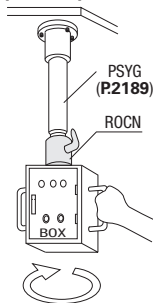
Ordering Example
Part Number
ROCN42

ex Example

App. Example 1



App. Example 2



- * Assume BOX load is 50kg.
- As shown in App. Example 1, X₁(N) is the force needed to turn the handle.
- As shown in App. Example 2, X₂(N) is the force needed to turn the handle.

Nominal	Unit Price					
	Round Flanged			Compact Flanged		
	ROCN	ROCK	ROCSH	WROCN	WROCK	WROCS
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

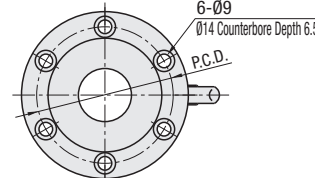
■ Doubled Flanged



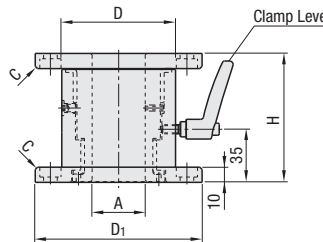
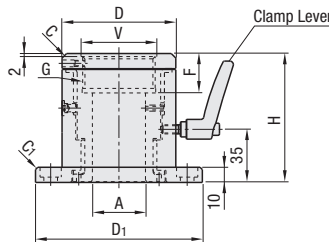
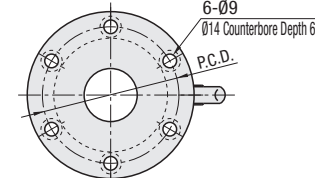
RoHS 10

Type	M Material	S Surface Treatment	A Accessory
Single Flanged			
Doubled Flanged			
HRCN	HRCNW	EN 1.0038 Equiv. Electroless Nickel Plating	CLMD CB8-20x6 LBNR8x6

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.

■ Single Flanged

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

■ Doubled Flanged

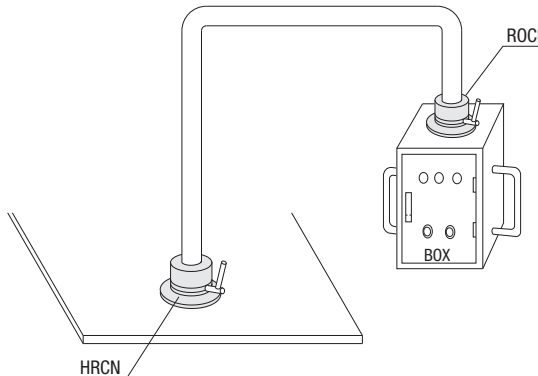
Part Number	Type	Nominal	A	D	D ₁	H	C	P.C.D.	Allowable Moment Load (Calculated Values) N · m	Unit Price
HRCNW		42	35	75	110	85	1.5	90	300	1 ~ 4 pc(s).
		54	50	90	125	85		105	500	
		70	65	105	140	85		120	750	
		82	80	120	155	90		135	1000	

⚠ Allowable moment loads are not guaranteed values.

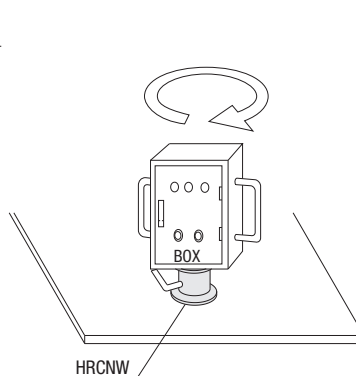
⚠ For orders larger than indicated quantity, please request a quotation.

Ordering Example
Part Number
HRCNW54

ex Example



Usable under Moment Load



Box Mountable without a Hollow Stand