ROTARY JOINTS

Application

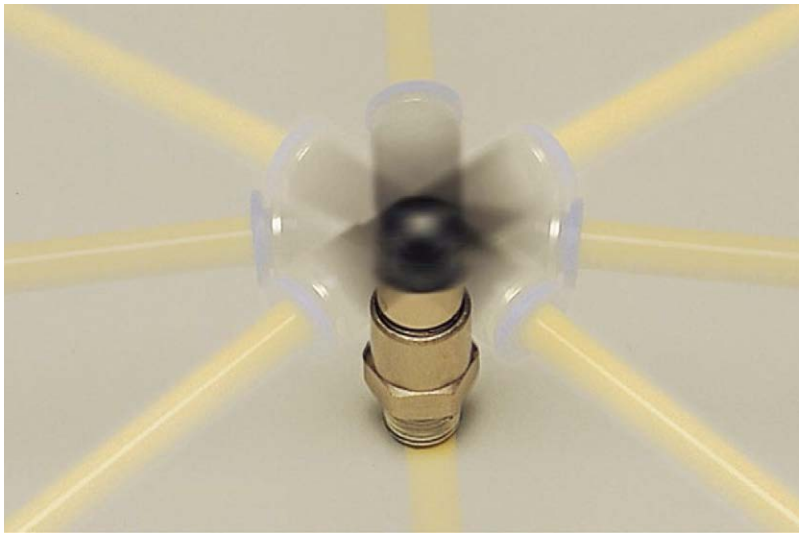
- Used for supplying compressed air at swiveling or swinging connections.
- Used for index tables and industrial robots.

Feature

- Built in bearings, suitable for high-speed swiveling pneumatic connections.

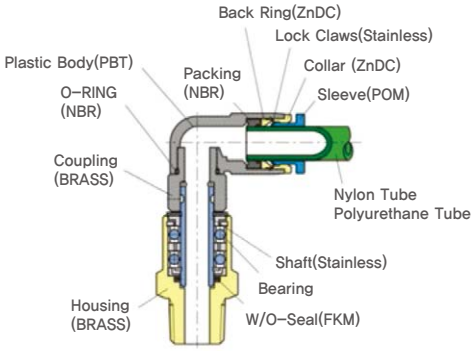
Specification

Fluid	Air(No other gases or liquids)	
Working Pressure Range	0~150PSI	0~9Kgf/㎠(0~900kPa)
Negative Pressure	-29.50inHg	-750mmHg(10Torr)
Temperature Range	32~140℉	0~60℃
Applicable Tube Material	Polyurethane and Nylon	

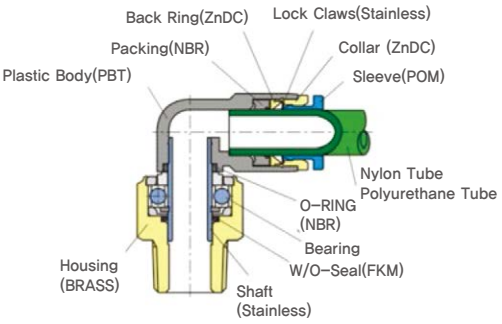


Structural Diagram

▼High Rotary Joint



▼Rotary Joint



Product Code System

NHRC 06 - G01

① ② ③

① Type

② Tube Dia(ØD)

Code	04	06	08	10	12
Dia	Ø4	Ø6	Ø8	Ø10	Ø12

③ Thread Size(T)

	Taper Pipe Thread			
Code	G01	G02	G03	G04
Size	G1/8	G1/4	G3/8	G1/2

Number of Rotations

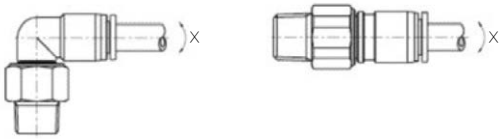
Tube Dia			Ø4	Ø6	Ø8	Ø10	Ø12
r.p.m	Low	NRC, NRL	500	500	400	300	250
	High	NHRC, NHRL, NHRS, NHRF	1,500	1,200	1,200	1,000	1,000

⚠ CAUTION

- Be sure to read "Common Precautions"and "Using Precautions of Fitting Series" (P14) before using.

⚠ WARNING

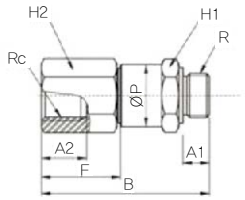
- When using at high speed, use PU tube.
- Nylon or other hard tube can cause overload of the rotation.



NHRF-G

Bush





MODEL [ØD-T] Tube (Metric)-Thread(G) (mm)

CODE	MODEL	R	Rc	F	B	ØP	A1	A2	H1	H2	RPM	Orifice (Ømm)	W.G(g)	Q'ty/Inbox
405030003141	NHRF G01-G01	G1/8	G1/8	21	49	16.5	8	9	17	14	1200	6	48.2	50
405030003142	NHRF G01-G02	G1/8	G1/4	24	52	16.5	8	12	17	17	1200	6	50	50
405030003241	NHRF G02-G01	G1/4	G1/8	21	52	16.5	11	9	17	14	1200	6	60.5	50
405030003242	NHRF G02-G02	G1/4	G1/4	24	55	16.5	11	12	17	17	1200	6	63.6	50
405030003343	NHRF G03-G03	G3/8	G3/8	28	63.5	23.5	12	13	24	22	1000	9	126.8	25
405030003344	NHRF G03-G04	G3/8	G1/2	31	66.5	23.5	12	16	24	24	1000	9	131	25
405030003443	NHRF G04-G03	G1/2	G3/8	28	66.5	23.5	15	13	24	22	1000	9	145	25
405030003444	NHRF G04-G04	G1/2	G1/2	31	69.5	23.5	15	16	24	24	1000	9	150.3	25