ROTARY JOINTS

Application

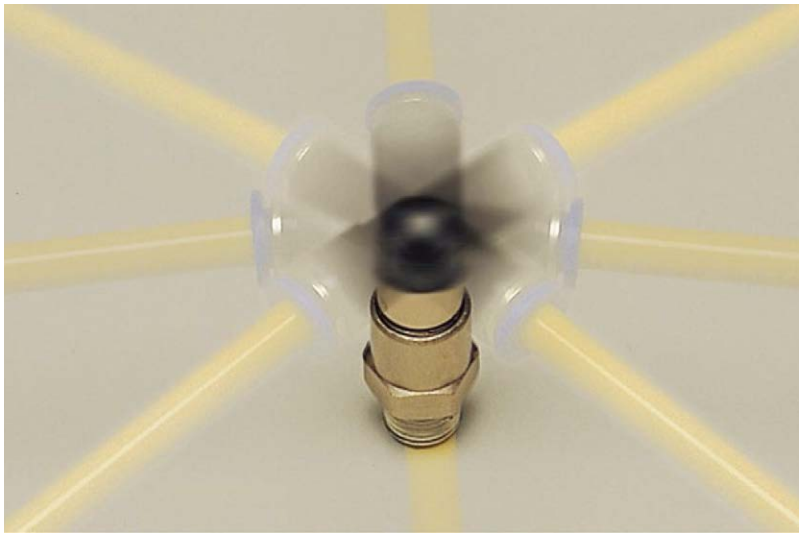
- Used for supplying compressed air at swiveling or swinging connections.
- Used for index tables and industrial robots.

Feature

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

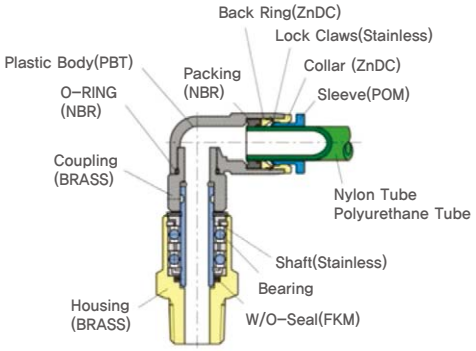
Specification

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	

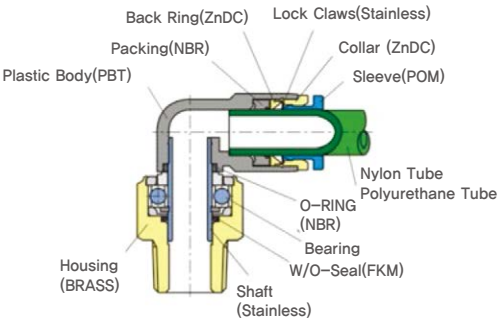


Structural Diagram

▼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

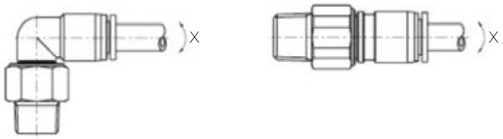
Tube Dia			Ø4	Ø6	Ø8	Ø10	Ø12
r.p.m	Low	NRC, NRL	500	500	400	300	250
	High	NHRC, NHRL, NHRS, NHRF	1,500	1,200	1,200	1,000	1,000

⚠ CAUTION

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

⚠ WARNING

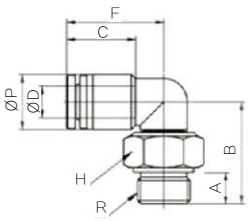
- When using at high speed, use PU tube.
- Nylon or other hard tube can cause overload of the rotation.



NRL-G

Elbow





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

CODE	MODEL	ØD	R	F	ØP	C	A	B	H	RPM	Orifice (Ømm)	W.G(g)	Q´ty/ Inbox
405120000431	NRL 04-G01	4	G1/8	20.2	10.4	16	6	22	14	500	3	12.3	100
405120000631	NRL 06-G01	6	G1/8	22.9	12.4	17	6	26.2	14	500	4	17.6	50
405120000632	NRL 06-G02	6	G1/4	22.9	12.4	17	8	26.2	17	500	4	22.2	50
405120000831	NRL 08-G01	8	G1/8	25.9	14.4	18.5	6	30.6	17	400	6	29	50
405120000832	NRL 08-G02	8	G1/4	25.9	14.4	18.5	8	32.6	17	400	6	31.7	50
405120000833	NRL 08-G03	8	G3/8	25.9	14.4	18.5	10	34.6	21	400	6	40.8	50
405120001033	NRL 10-G03	10	G3/8	29.8	17.6	21	10	33.3	22	300	7.5	62.9	25
405120001034	NRL 10-G04	10	G1/2	29.8	17.6	21	12	34.8	24	300	7.5	73.1	25
405120001233	NRL 12-G03	12	G3/8	32.7	21	22.5	10	40.5	24	250	9	81	25
405120001234	NRL 12-G04	12	G1/2	32.7	21	22.5	12	37.5	24	250	9	87.6	25