ROTARY JOINTS

Application

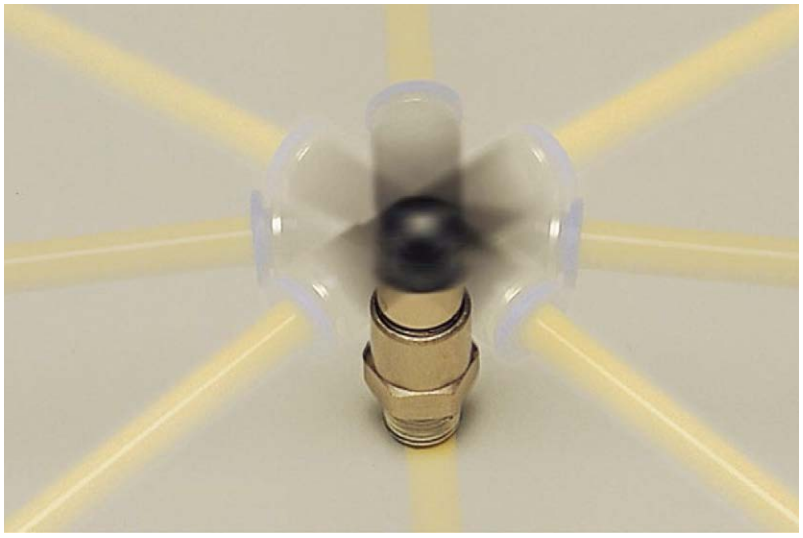
- Used for supplying compressed air at swiveling or swinging connections.
- Used for index tables and industrial robots.

Feature

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

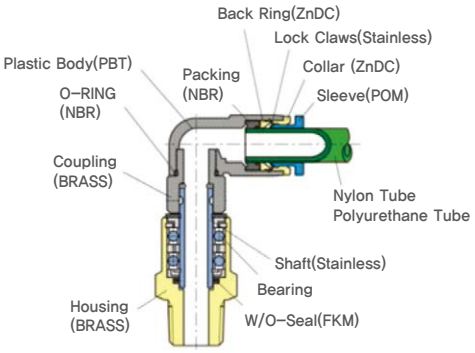
Specification

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	

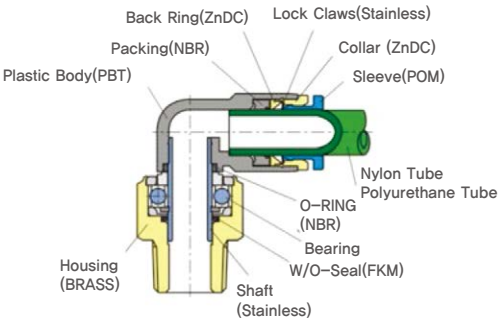


Structural Diagram

▼High Rotary Joint



▼Rotary Joint



Product Code System

NSRC 06 - 01

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)

	Metric size		Taper Pipe Thread			
Code	M5	M6	01	02	03	04
Size	M5X0.8	M6X1.0	R1/8	R1/4	R3/8	R1/2

Number of Rotations

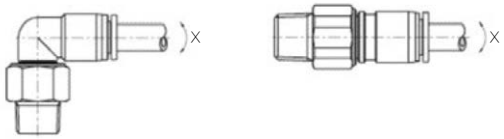
Tube Dia			Ø4	Ø6	Ø8	Ø10	Ø12
r.p.m	Low	NRC, NRL	500	500	400	300	250
	High	NHRC, NHRL, NHRS, NHRF	1,500	1,200	1,200	1,000	1,000

CAUTION

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

WARNING

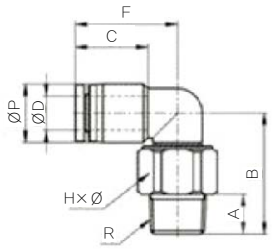
- When using at high speed, use PU tube.
- Nylon or other hard tube can cause overload of the rotation.



NRL

Elbow





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

CODE	MODEL	ØD	R	F	ØP	C	A	B	H×Ø	RPM	Orifice (Ø mm)	W.G(g)	Q'ty/ Inbox
405120000402	NRL 04–M5	4	M5	20.2	10.4	16	3.5	20.7	12×13	500	2	12.3	100
405120000403	NRL 04–M6	4	M6	20.2	10.4	16	4.5	21.2	12×13	500	3	13	100
405120000411	NRL 04–01	4	R1/8	20.2	10.4	16	8	22	12×13	500	4	13.7	100
405120000602	NRL 06–M5	6	M5	22.9	12.4	17	3.5	24.2	14×15	500	2	17.9	50
405120000603	NRL 06–M6	6	M6	22.9	12.4	17	4.5	24.2	14×15	500	3	19.8	50
405120000611	NRL 06–01	6	R1/8	22.9	12.4	17	8	24.2	14×15	500	4	17.6	50
405120000612	NRL 06–02	6	R1/4	22.9	12.4	17	11	26.2	14×15	500	4	22.2	50
405120000811	NRL 08–01	8	R1/8	25.9	14.4	18.5	8	30.6	17×18	400	6	29	50
405120000812	NRL 08–02	8	R1/4	25.9	14.4	18.5	11	30.6	17×18	400	6	31.7	50
405120000813	NRL 08–03	8	R3/8	25.9	14.4	18.5	12	30.6	17×18	400	6	40.8	50
405120001013	NRL 10–03	10	R3/8	29.8	17.6	21	12	35.3	22×24	300	7.5	62.9	25
405120001014	NRL 10–04	10	R1/2	29.8	17.6	21	15	36.3	22×24	300	7.5	73.1	25
405120001213	NRL 12–03	12	R3/8	32.7	21	22.5	12	40.5	24×26	250	9	81	25
405120001214	NRL 12–04	12	R1/2	32.7	21	22.5	15	40.5	24×26	250	9	87.6	25