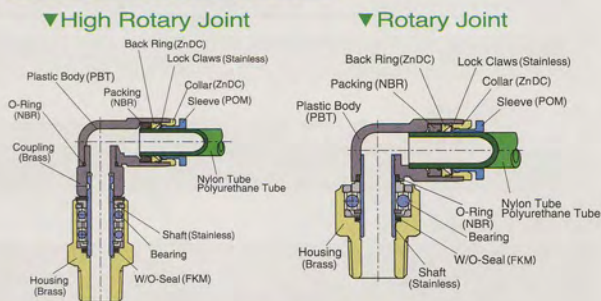


ROTARY JOINTS

FEATURES

- Two embedded bearings better accommodate high speed rotation and swinging of pneumatic connections.
- Built in bearing accommodates the rotation and swinging of pneumatic connections.
- Rotary joints are constructed to fairly withstand the vibration or tubing movements.

STRUCTURAL DIAGRAM



NUMBER OF ROTATION

Model	NHRC, NHRL, NHRS, NHRF				
Tube Dia	Ø4	Ø6	Ø8	Ø10	Ø12
r. p. m	1500	1200	1200	1000	1000

Model	NRC, NRL				
Tube Dia	Ø4	Ø6	Ø8	Ø10	Ø12
r. p. m	500	500	400	300	250

SPECIFICATIONS

Compatible Fluid Type	Air(No other gases or liquids)	
Pressure Range	0~150PSI	0~9kg f/cm ² (0~900kPa)
Negative Pressure	-29.5mmHg	-750mmHg (10 Torr)
Temperature Range	32~140°F	0~60°C
Recommended Tube Material	Polyurethane and Nylon	

PRODUCT CODE SYSTEM

NHRC 06 - 01

(1) (2) (3) (4)

① Model Type

② Tube Outer Dia(ØD)

Code	Metric Size					Inch Size					
	Ø4	Ø6	Ø8	Ø10	Ø12	5/32	3/16	1/4	5/16	3/8	1/2
Dia	Ø4	Ø6	Ø8	Ø10	Ø12	Ø5/32	Ø3/16	Ø1/4	Ø5/16	Ø3/8	Ø1/2

③ Thread Size(T)

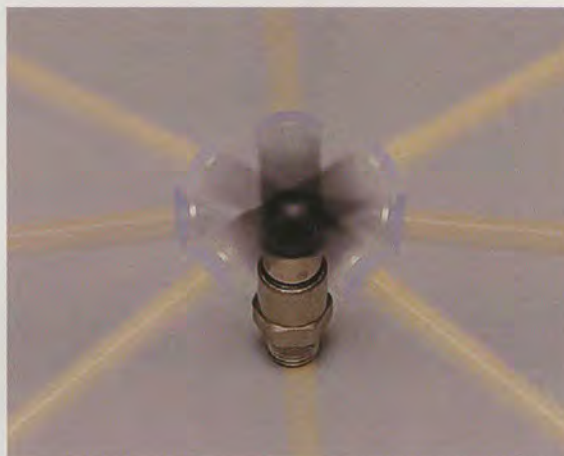
* Metric Thread & R(PT) Thread

Code	Metric Size		Taper Pipe Thread			
	M5	M6	Ø1	Ø2	Ø3	Ø4
Size	M5×0.8	M6×1.0	R1/8	R1/4	R3/8	R1/2

*Inch Thread (UNF & NPT)


Code	Unified Fine Thread	American Standard Taper pipe Thread			
	U10U	N01U	N02U	N03U	N04U
Size	10-32UNF	NPT1/8	NPT1/4	NPT3/8	NPT1/2


④ U : Hexagon flat-to-flat inch specification.(NPT)





NRC Straight	MODEL [ØD-T]				
	Tube(Metric)-Thread(R)	Tube(Inch)-Thread(R)	Tube(Inch)-Thread(NPT)		
	NRC 04-M5	NRC 10-04	NRC 1/4-01	NRC 5/32-U10U	NRC 1/2-N03U
NRC 04-M6	NRC 12-03	NRC 1/4-02	NRC 5/32-N01U	NRC 1/2-N04U	
NRC 04-01	NRC 12-04	NRC 5/16-01	NRC 3/16-N01U		
NRC 06-M5		NRC 5/16-02	NRC 3/16-N02U		
NRC 06-M6		NRC 5/16-03	NRC 1/4-N01U		
NRC 06-01		NRC 3/8-03	NRC 1/4-N02U		
NRC 06-02		NRC 3/8-04	NRC 5/16-N01U		
NRC 08-01			NRC 5/16-N02U		
NRC 08-02			NRC 5/16-N03U		
NRC 08-03			NRC 3/8-N03U		
NRC 10-03			NRC 3/8-N04U		

NRL Elbow	MODEL [ØD-T]				
	Tube(Metric)-Thread(R)	Tube(Inch)-Thread(R)	Tube(Inch)-Thread(NPT)		
	NRL 04-M5	NRL 10-04	NRL 1/4-01	NRL 5/32-U10U	NRL 1/2-N03U
NRL 04-M6	NRL 12-03	NRL 1/4-02	NRL 5/32-N01U	NRL 1/2-N04U	
NRL 04-01	NRL 12-04	NRL 5/16-01	NRL 3/16-N01U		
NRL 06-M5		NRL 5/16-02	NRL 3/16-N02U		
NRL 06-M6		NRL 5/16-03	NRL 1/4-N01U		
NRL 06-01		NRL 3/8-03	NRL 1/4-N02U		
NRL 06-02		NRL 3/8-04	NRL 5/16-N01U		
NRL 08-01			NRL 5/16-N02U		
NRL 08-02			NRL 5/16-N03U		
NRL 08-03			NRL 3/8-N03U		
NRL 10-03			NRL 3/8-N04U		

 NHRC Straight	MODEL [ØD - T]			
	Tube(Metric)-Thread(R)	Tube(Inch)-Thread(R)	Tube(Inch)-Thread(NPT)	
	NHRC 04-M5	NHRC 1/4-01	NHRC 5/32-U10U	NHRC 1/2-N03U
NHRC 04-M6	NHRC 1/4-02	NHRC 5/32-N01U	NHRC 1/2-N04U	
NHRC 04-01	NHRC 5/16-01	NHRC 3/16-U10U		
NHRC 06-01	NHRC 5/16-02	NHRC 3/16-N01U		
NHRC 06-02	NHRC 3/8-03	NHRC 3/16-N02U		
NHRC 08-01	NHRC 3/8-04	NHRC 1/4-N01U		
NHRC 08-02		NHRC 1/4-N02U		
NHRC 10-03		NHRC 5/16-N01U		
NHRC 10-04		NHRC 5/16-N02U		
NHRC 12-03		NHRC 3/8-N03U		
NHRC 12-04		NHRC 3/8-N04U		


 NHRL Elbow	MODEL [ØD - T]			
	Tube(Metric)-Thread(R)	Tube(Inch)-Thread(R)	Tube(Inch)-Thread(NPT)	
	NHRL 04-M5	NHRL 1/4-01	NHRL 5/32-U10U	NHRL 1/2-N03U
NHRL 04-M6	NHRL 1/4-02	NHRL 5/32-N01U	NHRL 1/2-N04U	
NHRL 04-01	NHRL 5/16-01	NHRL 3/16-U10U		
NHRL 06-01	NHRL 5/16-02	NHRL 3/16-N01U		
NHRL 06-02	NHRL 3/8-03	NHRL 3/16-N02U		
NHRL 08-01	NHRL 3/8-04	NHRL 1/4-N01U		
NHRL 08-02		NHRL 1/4-N02U		
NHRL 10-03		NHRL 5/16-N01U		
NHRL 10-04		NHRL 5/16-N02U		
NHRL 12-03		NHRL 3/8-N03U		
NHRL 12-04		NHRL 3/8-N04U		

 NHRS Nipple	MODEL [T1 - T2]			
	Thread(R)-Thread(R)		Thread(NPT)-Thread(NPT)	
	NHRS 01-01		NHRS N01-N01U	
NHRS 01-02		NHRS N01-N02U		
NHRS 02-01		NHRS N02-N01U		
NHRS 02-02		NHRS N02-N02U		
NHRS 03-03		NHRS N03-N03U		
NHRS 03-04		NHRS N03-N04U		
NHRS 04-03		NHRS N04-N03U		
NHRS 04-04		NHRS N04-N04U		

 NHRF Bush	MODEL [T1 - T2]			
	Thread(R)-Thread(Rc)		Thread(NPT)-Thread(NPT)	
	NHRF 01-01		NHRF N01-N01U	
NHRF 01-02		NHRF N01-N02U		
NHRF 02-01		NHRF N02-N01U		
NHRF 02-02		NHRF N02-N02U		
NHRF 03-03		NHRF N03-N03U		
NHRF 03-04		NHRF N03-N04U		
NHRF 04-03		NHRF N04-N03U		
NHRF 04-04		NHRF N04-N04U		

Fittings with G Thread(O-Ring)

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

 NHRS-G Nipple	MODEL [ØD - T]
	Male Thread(R) - Male Thread(G)

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

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

 NHRF-G Bush	MODEL [T1 - T2]
	Male Thread(G) - Female Thread(G)

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