CARBON
Precision for Perfomance

"CARBON" Brand Rotary unions for Machine tools application.





"CARBON" offers innovative rotary unions designs specialized for machine tools manufacturers. With world wide growth of Automation; "CARBON " understands the challenges faced by the next generation machine tools equipment designers.

Suitable for following machinery:-

Horizontal, Vertical, Multi-Axis, Transfer Line, Grinding, Spindles, Drilling, Rotary indexing tables, Turning, Gun Drilling, etc...

Applications:-

Clamping & De-clamping, Chucking, Through coolant, High speed spindle cooling etc...



- Increase tools & spindle life
- Reduce tool wear
- Prevent over heating
- High pressure with high speed.
- Suitable for Dry operation.

www.rotaryjointindia.co.in
www.swiveljointsindia.com

CARBON
Precision for Perfomance

"CARBON" Brand '104' series Rotary Unions Open Loop Seal Technology for Coolant Service with Dry Running.



OPRATING DATA :

Max. Hydraulic Pressure: 150 bar. / Max. Air pressure : 20 bar.

Max. Coolant Pressure: 80 bar

Max. Speed : 15,000 RPM

Max. Temp. 100 deg.c.

FEATURES:

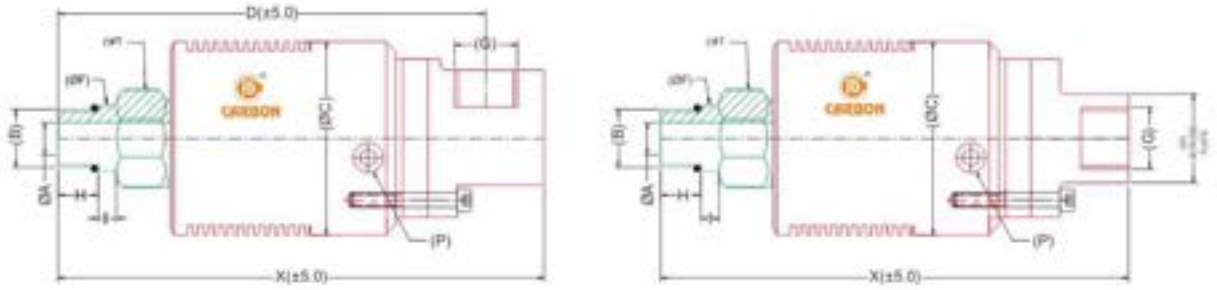
- Self supported rotary Union for coolant & other fluid/ oil mist.
- Mono flow design
- Compact carbide balanced mechanical seal for long life even under difficult operating conditions
- In-built with ABEC7 highly precision angular contact bearings.
- Labyrinth system and large vents to protect ball bearings
- Stainless steel rotor
- Hard anodized Aluminum alloy housing & end elbow.

Directly interchangeable with any brand of OEM self supported rotary union

"CARBON" BRAND '104' Series solves the problem of dry running at high speeds without coolant pressure, the seals are separated eliminating friction and wear.

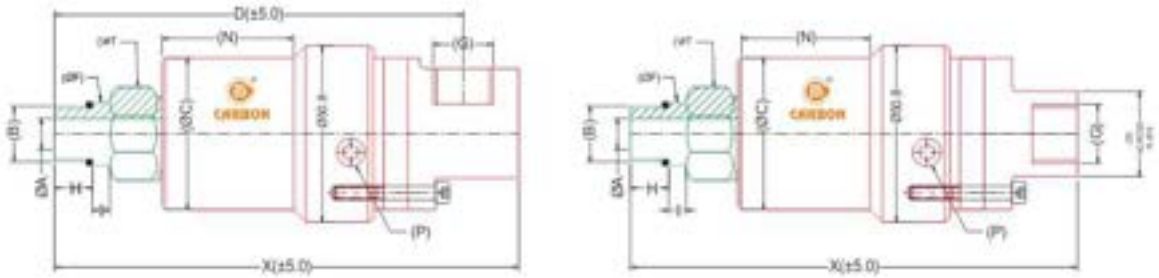
Warning : Do not run dry with pressure

Model (1-8)



104 SERIES												
	MODEL	ØA	B	ØC	D	ØF	G	H	EJECTOR LENGTH	P (1 X G)	LX	T(HEX)
AXIAL CONNECTION	CF104A10002M01	Ø4.7	5/8"-18UNF L	53.1	-	16.650 | 16.64	1|4"NP	14	4.7	1|4"NP	138.0	24
	CF104A10002M02	Ø6	M16 X1.5 LH	53	-	17.993 | 17.98	1|4"B.S.	11	5	1|4"B.S.	135.0	24
	CF104A10002M03	Ø8.7	5/8"-18UNF L	53.1	-	16.650 | 16.64	3|8"NP	14	4.7	1|4"NP	138.0	24
	CF104A10002M04	Ø9	M16 X1.5 LH	53	-	17.993 | 17.98	3|8"B.S.	11	5	1|4"B.S.	135.0	24
RADIAL CONNECTION	CF104R10002M05	Ø4.7	5/8"-18UNF L	53.1	121	16.650 | 16.64	1|4"NP	14	4.7	1|4"N.P	138.0	24
	CF104R10002M06	Ø6	M16 X1.5 LH	53	118	17.993 | 17.98	1|4B.S.	11	5	1|4"B.S.	135.0	24
	CF104R10002M07	Ø8.7	5/8"-18UNF L	53.1	121	16.650 | 16.64	3|8"NP	14	4.7	1|4"N.P	138.0	24
	CF104R10002M08	Ø9	M16 X1.5 LH	53	118	17.993 | 17.98	3|8"B.S.P	11	5	1|4"B.S.	135.0	24

Model (9-12)



104 SERIES												
	MODEL	ØA	B	ØC	D	ØF	G	H	EJECTOR LENGTH	N	P (1 X G)	LX	T(HEX)
AXIAL CONNECTION	CF104A10002M09	Ø8.7	5/8"-18UNF L	43.764 | 43.73	-	16.650 | 16.64	3|8"NP	14.28	4.7	38.1	1|4"NP	138.0	24
	CF104A10002M10	Ø9	M16 X1.5 LH	43.760 | 43.73	-	17.993 | 17.98	3|8"B.S.	11	5	38.0	1|4"B.S.	135.0	24
RADIAL CONNECTION	CF104R10002M11	Ø8.7	5/8"-18UNF L	43.764 | 43.73	121	16.650 | 16.64	3|8"NP	14.28	4.7	38.1	1|4"N.P	138.0	24
	CF104R10002M12	Ø9	M16 X1.5 LH	43.760 | 43.73	118	17.993 | 17.98	3|8"B.S.P	11	5	38.0	1|4"B.S.	135.0	24

All dimensions are in mm
Drawing above 2" Rotary Union available on request
Operation at maximum pressure combined with maximum speed should be avoided
If operational condition are marginal consult out engineering department

#X-Monoflow Length Rotary Union
#T-Flat Wrench

ISO 9001-2008 Certified Company

GAMER GRAPHICS-9601757081

CARBON
Precision for Perfomance

CARBON ROTOFLUID PVT. LTD.
L/464, G.I.D.C. ODHAV, AHMEDABAD-382415. INDIA
(O) 079 – 22890503, 22877260, (Tele fax) +91 – 079 – 22877260
E-mail : carbon2000@rotaryjointindia.co.in
Website : www.rotaryjointindia.co.in, www.swiveljointsindia.com

Dimensions & Drawings are subject to change without prior notice.