CARBON
Precision for Perfomance

"THE HOUSE OF ROTARY JOINTS
 # ONE STOP SOLUTION OF ROTARY JOINTS & SLIP RINGS"







Rotary Joints
Rotary Unions
Hybrid Rotary Joints
Multi Port Rotary Union
Swivel Joints
Sliprings

CARBON
Precision for Perfomance

5000 Series

"CARBON" BRAND ROTARY UNION FOR CONTINUOUS CASTING MACHINE IN STEEL INDUSTRIES.



SIZE : ½" , ¾" , 1", 1.1/2"

WITH DUAL FLOW/MONOFLOW

THREDS AVAILABLE : STANDARD ISO 228, OR NPT.

TEMPERATURE (Max) : 125°C Max.

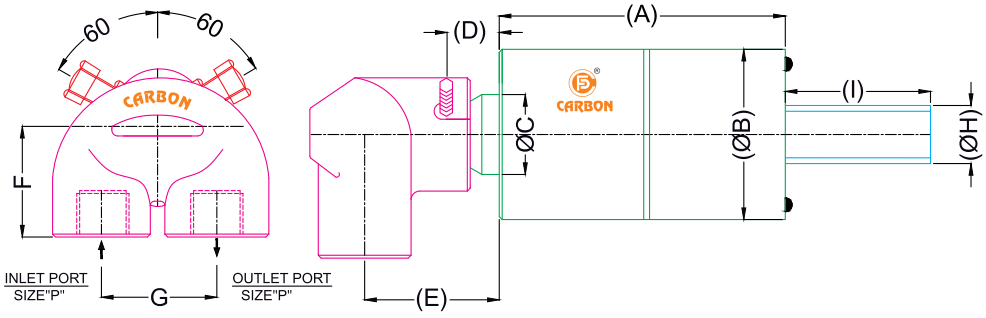
PRESSURE (Max) : 100 PSI Max.

SPEED (Max) : 100 RPM

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

Model 5000A Dual Flow Series

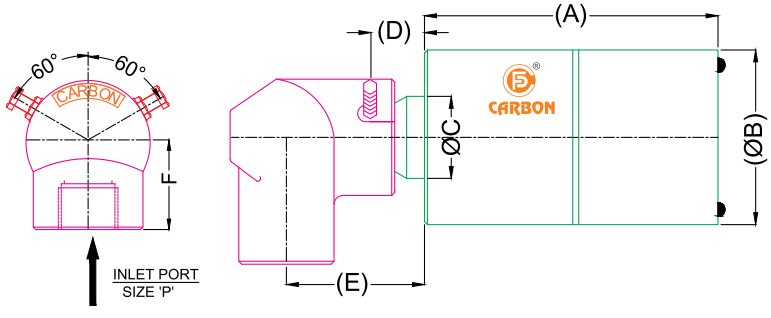




"CARBON" BRAND'5000A' SERIESDUAL FLOWDATA SHEET										
CARBON MODELNO.	'P' INLET PORT	A	ØB	C	D	E	F	G	ØH	I
CF5000A19003DSB-1	¾" NPT	-0.28 67.95	-0.25 46.35	32	17	42	39	51	-0.05 13.00	40
CF5000A19003DSB-2	G¾" B.S.P	-0.28 67.95	-0.25 46.35	32	17	42	39	51	-0.05 13.00	40
CF5000A19003DSB-3	¾"NPT	-0.25 98.60	-0.25 58.98	38	17	42	39	51	-0.06 19.00	40
CF5000A19003DSB-4	G¾" B.S.P	-0.25 98.60	-0.25 58.98	38	17	42	39	51	-0.06 19.00	40
CF5000A25003DSB-5	1" NPT	-0.25 101.25	-0.25 71.25	57	23	66	64	64	-0.12 28.70	50
CF5000A25003DSB-6	1" BSP	-0.25 101.25	-0.25 71.25	57	23	66	64	64	-0.12 28.70	50

Mono Flow Series





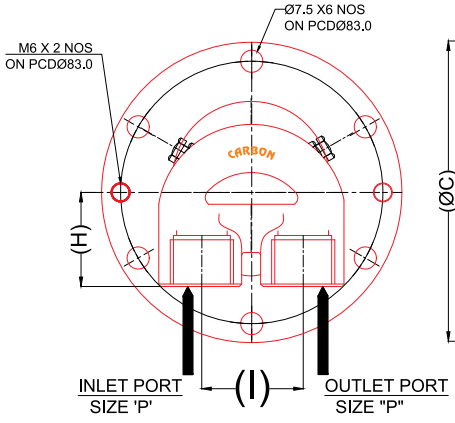
"CARBON " BRAND '5000A' SERIES MONO FLOW DATA SHEET										
"CARBON'MODEL NO."	'P' INLET PORT	A	ØB	C	D	E	F	G	ØH	I
CF5000A12003MB-1	½"NPT	-0.28 53.74	-0.24 40.32	25	17	31	41	—	—	—
CF5000A12003MB-2	½"B.S.P	-0.28 53.74	-0.24 40.32	25	17	31	41	—	—	—
CF5000A25003MB-3	1"NPT	-0.25 67.95	-0.25 46.35	32	17	44	46	—	—	—
CF5000A25003MB-4	1"B.S.P	-0.25 67.95	-0.25 46.35	32	17	44	46	—	—	—
CF5000A25003MB-5	1"NPT	-0.25 98.60	-0.25 58.98	38	17	44	46	—	—	—
CF5000A25003MB-6	1"BSP	-0.25 98.60	-0.25 58.98	38	17	44	46	—	—	—

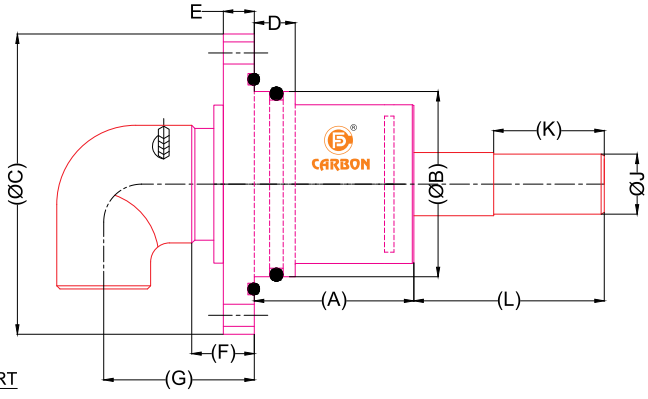
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www.swiveljointsindia.com

Model 5000B



Dual Flow Series



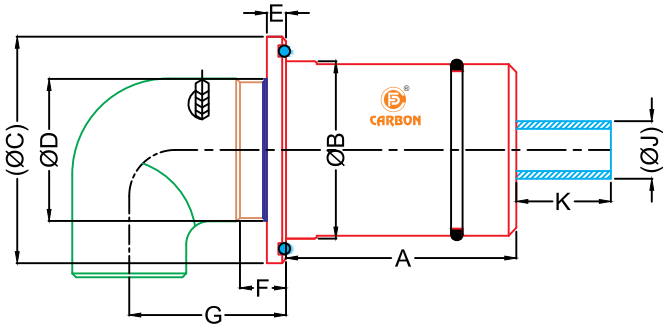


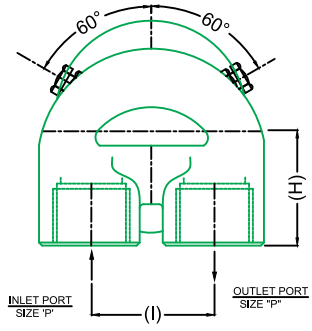
"CARBON " BRAND '5000B' SERIES DUAL FLOW DATA SHEET													
CARBON MODEL NO	'P' INLET PORT	A	ØB	ØC	D	E	F	G	H	I	ØJ	K	L
CF5000B19003DSB	3/4" B.S.P	41.2	58.6	95	13	9.8	19	44.5	40	51	$^{-0.05}$19.0	35	84

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Model 5000C Dual Flow Series



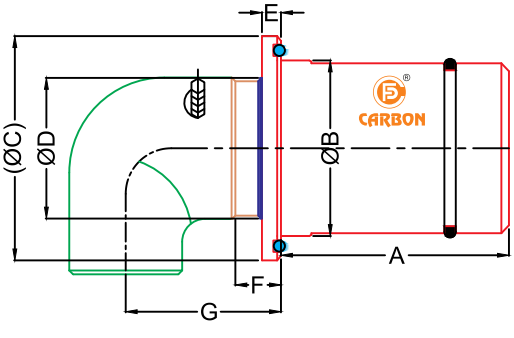


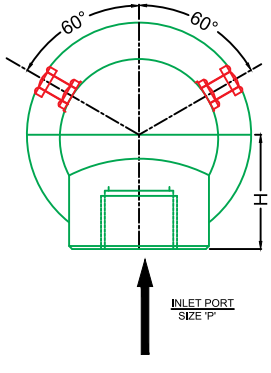


"CARBON " BRAND '5000C' SERIES DUAL FLOW DATA SHEET												
CARBON MODEL NO	'P' INLET PORT	(A)	(ØB)	(ØC)	(ØD)	(E)	(F)	(G)	(H)	(I)	(ØJ)	(K)
CF5000C19003DSB-1	¾" NPT	61	$^{-0.12}_{46.22}$	59	25	5	19	49	40	51	$^{-0.05}_{13.0}$	49
CF5000C19003DSB-2	¾" B.S.P	61	$^{-0.12}_{46.22}$	59	25	5	19	49	40	51	$^{-0.05}_{13.0}$	49
CF5000C19003DSB-3	¾" NPT	79	$^{-0.12}_{58.85}$	$^{-0.2}_{72.89}$	35	5	19	44	40	51	$^{-0.06}_{19.0}$	63.5
CF5000C19003DSB-4	¾" B.S.P	79	$^{-0.12}_{58.85}$	$^{-0.2}_{72.89}$	35	5	19	44	40	51	$^{-0.06}_{19.0}$	63.5
CF5000C19003DSB-5	1" B.S.P	88	$^{-0.13}_{71.12}$	86	50	5	19	69	49	63.5	$^{-0.12}_{28.70}$	48
CF5000C19003DSB-6	1" NPT	88	$^{-0.13}_{71.12}$	86	50	5	19	69	49	63.5	$^{-0.12}_{28.70}$	48

Mono Flow Series





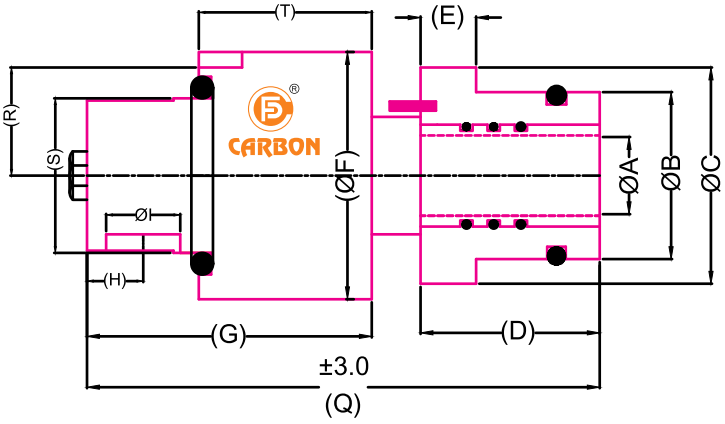


"CARBON " BRAND '5000C' SERIES MONO FLOW DATA SHEET												
CARBON MODEL NO	'P' INLET PORT	(A)	(ØB)	(ØC)	(ØD)	(E)	(F)	(G)	(H)	(I)	(ØJ)	(K)
CF5000C19003MB-1	¾" NPT	61	$^{-0.12}_{46.22}$	59	25	5	19	55	47	-	-	-
CF5000C19003MB-2	¾" B.S.P	61	$^{-0.12}_{46.22}$	59	25	5	19	55	47	-	-	-
CF5000C19003MB-3	1" NPT	79	$^{-0.12}_{58.85}$	$^{-0.2}_{72.89}$	35	5	19	50	47	-	-	-
CF5000C19003MB-4	1" B.S.P	79	$^{-0.12}_{58.85}$	$^{-0.2}_{72.89}$	35	5	19	50	47	-	-	-

Model 5100 A



A

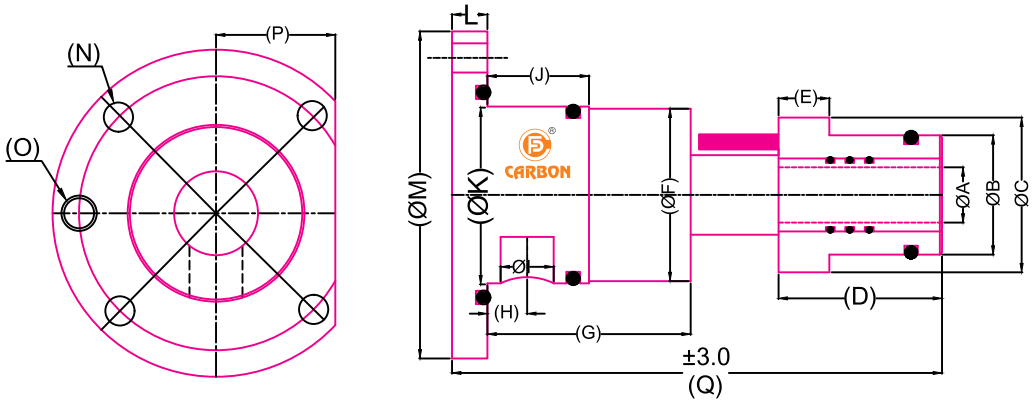


5100 SERIES																				
MODEL NO.	ØA	ØB	ØC	D	E	F	G	H	ØI	J	ØK	L	ØM	N	0	P	Q	R	S	T
CF5100A003MB	12.7	27 h6	35 e8	29	9	39	46.1	9.1	Ø12	-	-	-	-	-	-	-	84	17.5	Ø25.0e8	28

Model 5100 B



B



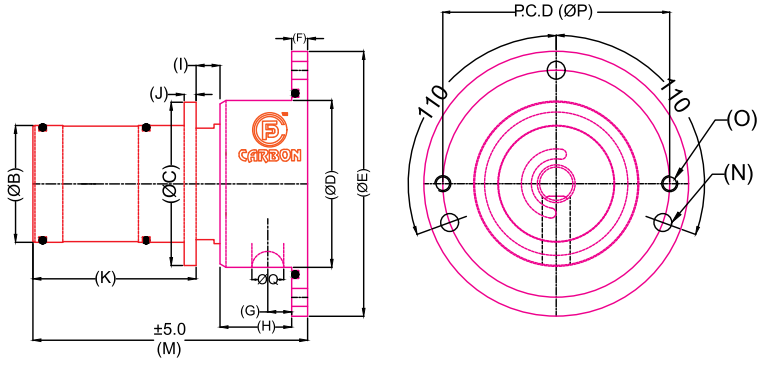
5100 SERIES																				
MODEL NO.	ØA	ØB	ØC	D	E	F	G	H	ØI	J	ØK	L	ØM	N	0	P	Q	R	S	T
CF5100B003MB	12.5	27 h6	35 e8	37	11.5	39	46	9	Ø12	23	Ø40	8	Ø74	Ø6.6 X 4 NOS	M8 X 1 NOS	27	111	-	-	-

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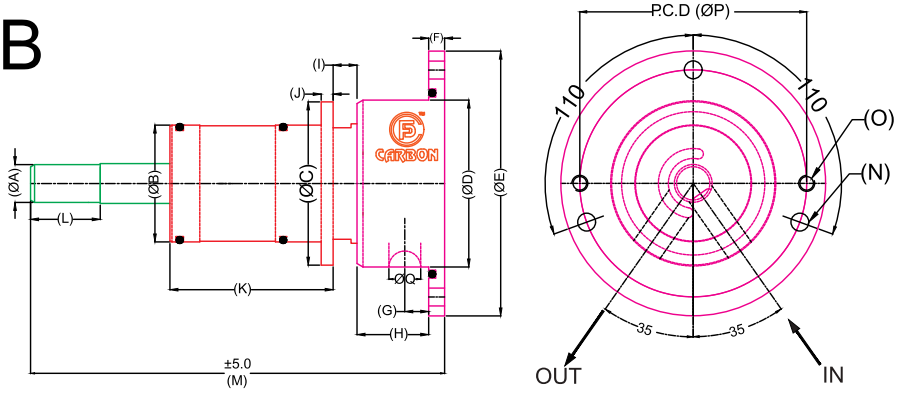
Model 5200



A



B



5200 SERIES																	
MODEL NO.	ØA	ØB	ØC	ØD	ØE	F	G	H	I	J	K	L	M	N	0	ØP	ØQ
CF5200A003	-	58.67	83	83.82	133	8	12	36	12	6	82	-	138	Ø9 X 3 NOS	M8 X 2 NOS	114	16
CF5200B003	19h9	58.67	83	83.82	133	8	12	36	12	6	82	40	207.0	Ø9 X 3 NOS	M8 X 2 NOS	114	16

A rotary joint, sometimes referred to as a rotary union, provides a mechanical seal between a stationary supply pipe and a rotating drum or cylinder to permit the flow of cooling [water] transfer media into and/or out of the rotating roll in the CASTER OF CONTINUOUS CASTING MACHINE as well as TUNNEL FURNACE APPLICATIONS.







- CARBON ROTOFLUID PVT. LTD. offers "CARBON®" BRAND '5000' series long life, trouble-free unions from our own Research & Development that can accommodate a broad range of temperatures, pressures, viscosities and speeds.
- The seals have a surface finish of 4 RMS and are micro lapped to an optical flatness of better than 2 light bands for dependable leak-proof operation.
- The "5000" series solves the high wear problems encountered in the continuous casting machines of steel industry. It consists various seals viz: SIC/SIC, TC/TC, SIC/CARBON, CARBON/CERAMIC that are permanently inserted into stainless steel carriers to provide the ultimate wear assistance in harsh and abrasive environments.
- Further, the seal carriers provide structural integrity to the seals enabling them to withstand shock loads and vibrations due to uncontrollable process conditions like water hammering. The unions have been totally redesigned to accommodate space for a long sleeved bearing that provides full support to the stainless steel rotor an allows it to run smoothly. The entire media thrust load is withstand by a carbon impregnated ptfe static thrust washer. These unions are available in monoflow and dual flow versions for media inlet or outlet, and media inlet and outlet, respectively.
- Bearing less design combines rigidity and low friction for long trouble-free service.
- Extra long impregnated Bearing to assure easy rotation.
- Brass housing & Brass hose connector and stainless steel Rotor to provide the ultimate protection against rust and corrosion.

Dimensions & Drawings are subject to change without prior notice.

GAMER GRAPHICS-9601757081

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Website : www.rotaryjointindia.co.in, www.swiveljointsindia.com

"CARBON" Globle Network



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ISO 9001-2008 Certified Company

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