

MP-G Series Pneumatic Rotary Union

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Cosmau MP-G series multiple passage rotary unions with 2 ~16 channel for media transfer, design for compressed air, gas in rotating system.



Features:

- Transmit compressed air, gas when 360°unrestricted rotation
- Combined with electrical slip ring,transfer power,control signal, data
- Lightweight, compact, very low torque, affordable price
- Through hole or flange structure optional
- Available all kinds of custom solutions

MP-G SERIES MODEL#

Model#	Pneumatic Channel	Pressure	Connection Size	Speed
MP2-G	2	-100 kPa ~ 1 MPa	M5, 1/8", 1/4", 3/8", 1/2"	Max. 300 RPM
MP4-G	4	-100 kPa ~ 1 MPa	M5, 1/8", 1/4", 3/8", 1/2"	Max. 300 RPM
MP6-G	6	-100 kPa ~ 1MPa	M5, 1/8", 1/4", 3/8", 1/2"	Max. 300 RPM
MP8-G	8	-100kPa ~ 1 MPa	M5, 1/8", 1/4", 3/8"	Max. 300 RPM

MP2-G Series Overview

Description

Cosmau MP2-G series multiple passage rotary unions with 2 channel for media transfer, design for compressed air, gas in rotating system.

- Transmit compressed air, gas when 360°unrestricted rotation
- Combined with electrical slip ring,transfer power,control signal, data
- Through hole or flange structure optional
- Available all kinds of custom solutions



Specifications

Item	
Pneumatic Channel	2
Pressure	-100kPa ~ 10bar
Connection Szie	M5, 1/8" 1/4" , 3/8", 1/2"
Connection Type	NPT, BSPP
Operating Temperature	-5° C to 80° C
Suitable Media	Air / Gas / Vacuum
Speed	200 RPM (reference value)
Material	AL alloy

All values listed under Technical Specifications are dependent on a combination of all application parameters. Please note operational life is dependent upon both rotational speed and duty cycle.

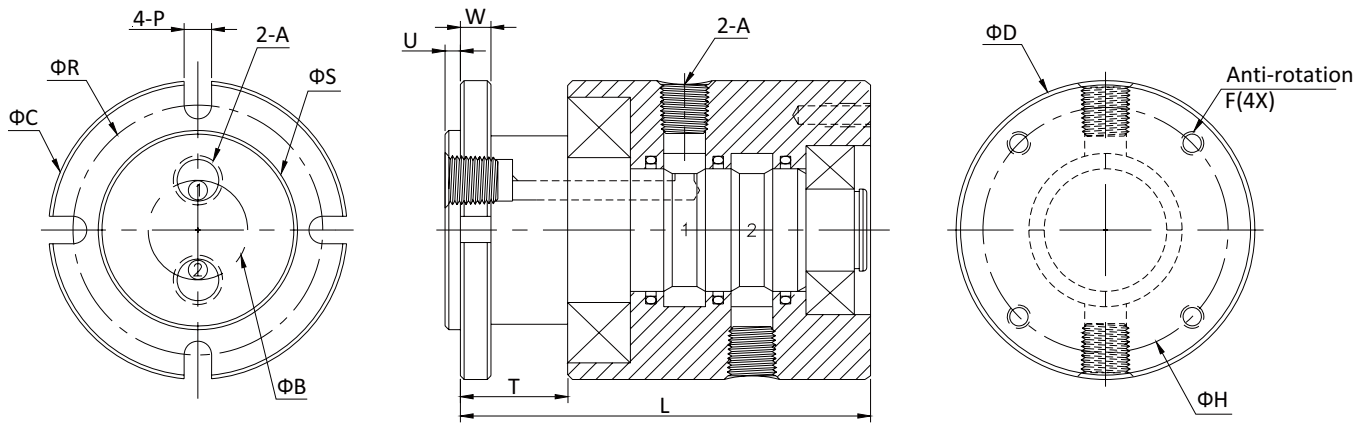
Options

- Mounting Flange
- Connection Size
- Connection Type
- Material
- Pressure
- Media
- Optional Speed
- Combine with electrical slip ring

INTRODUCE

MP2-G

MP2-G Series Dimensions



Part#	A(BSPP/NPT)	ΦB	ΦC	ΦD	ΦR	ΦS	U	W	T	P	F	ΦH	L
MP-201-G	1/8"	17	54.5	54.5	44.5	34	3	6	21	5.2	M5	44.5	69.6
MP-202-G	1/4"	20	59.5	59.5	50	40	3	6	21	5.2	M5	50	72.6
MP-203-G	3/8"	23	69.5	69.5	59	47	3	6	21	6.5	M6	59	80.5
MP-204-G	1/2"	27	79.5	79.5	69	58	3	7	25	6.5	M6	69	91.5

MP3-G Series Overview

Description

Cosmau MP3-G series multiple passage rotary unions with 3 channel for media transfer, design for compressed air, gas in rotating system.

- Transmit compressed air, gas when 360°unrestricted rotation
- Combined with electrical slip ring,transfer power,control signal, data
- Through hole or flange structure optional
- Available all kinds of custom solutions



Specifications

Item	
Pneumatic Channel	3
Pressure	-100kPa ~ 10bar
Connection Szie	M5, 1/8" 1/4" , 3/8", 1/2"
Connection Type	NPT, BSPP
Operating Temperature	-5° C to 80° C
Suitable Media	Air / Gas / Vacuum
Speed	200 RPM (reference value)
Material	AL alloy

All values listed under Technical Specifications are dependent on a combination of all application parameters. Please note operational life is dependent upon both rotational speed and duty cycle.

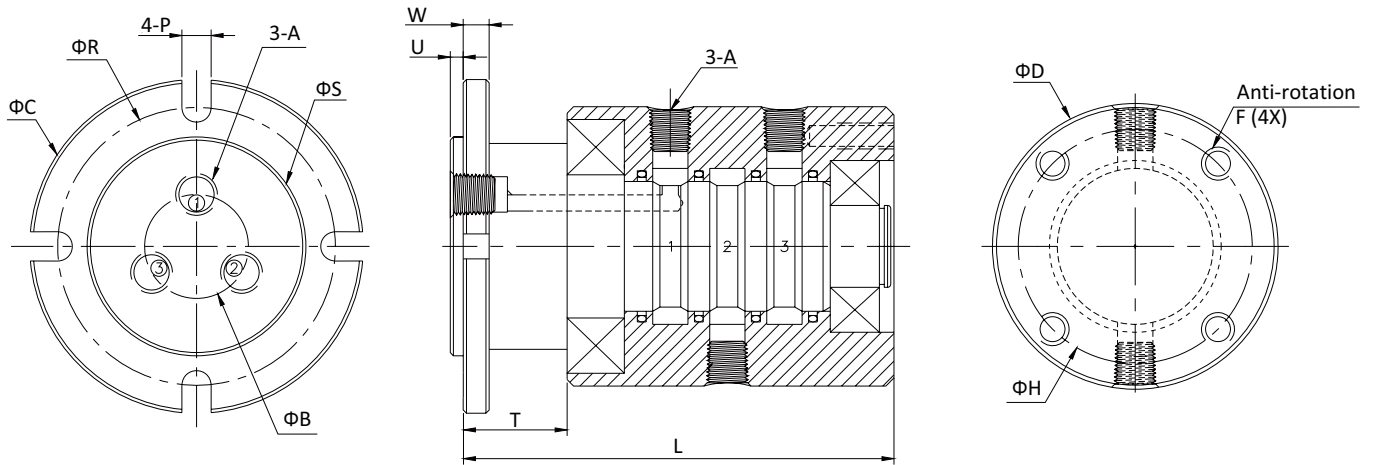
Options

- Mounting Flange
- Connection Size
- Connection Type
- Material
- Pressure
- Media
- Optional Speed
- Combine with electrical slip ring

INTRODUCE

MP3-G

MP3-G Series Dimensions



Part#	A(BSPP/NPT)	ΦB	ΦC	ΦD	ΦR	ΦS	U	W	T	P	F	ΦH	L
MP-301-G	1/8"	20	59.5	59.5	50	40	3	6	21	5.2	M5	50	78.8
MP-302-G	1/4"	22	59.5	59.5	50	40	3	6	21	5.2	M5	50	83.4
MP-303-G	3/8"	27	79.5	79.5	69	57	3	6	21	M6	M6	69	94.1
MP-304-G	1/2"	32	89.5	89.5	79	64	3	7	25	M6	M6	79	107.4

MP4-G Series Overview

Description

Cosmau MP4-G series multiple passage rotary unions with 4 channel for media transfer, design for compressed air, gas in rotating system.

- Transmit compressed air, gas when 360°unrestricted rotation
- Combined with electrical slip ring,transfer power,control signal, data
- Through hole or flange structure optional
- Available all kinds of custom solutions



Specifications

Item	
Pneumatic Channel	4
Pressure	-100kPa ~ 10bar
Connection Szie	M5, 1/8" 1/4", 3/8",1/2"
Connection Type	NPT, BSPP
Operating Temperature	-5° C to 80° C
Suitable Media	Air / Gas / Vacuum
Speed	200 RPM (reference value)
Material	AL alloy

All values listed under Technical Specifications are dependent on a combination of all application parameters. Please note operational life is dependent upon both rotational speed and duty cycle.

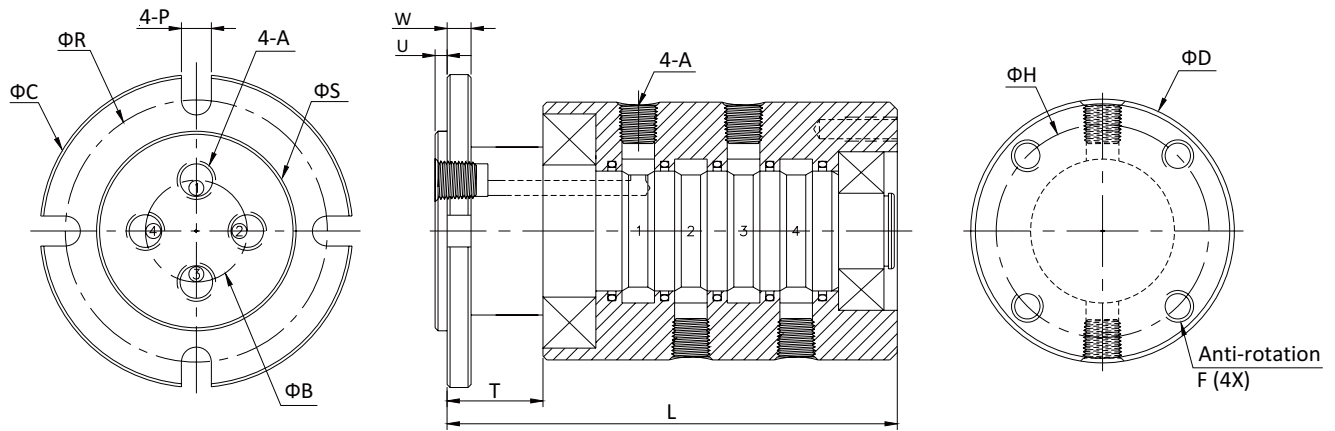
Options

- Mounting Flange
- Connection Size
- Connection Type
- Material
- Pressure
- Media
- Optional Speed
- Combine with electrical slip ring

INTRODUCE

MP4-G

MP4-G Series Dimensions



Part#	A(BSPP/NPT)	ΦB	ΦC	ΦD	ΦR	ΦS	U	W	T	P	F	ΦH	L
MP-401-G	1/8"	24	59.5	59.5	50	40	3	6	21	5.2	M5	50	92.3
MP-402-G	1/4"	26	64.5	64.5	55	45	3	6	21	5.2	M5	55	95.2
MP-403-G	3/8"	32	79.5	79.5	69	56	3	6	21	6.5	M6	69	108.8
MP-404-G	1/2"	37	94.5	94.5	83	69	3	7	25	6.5	M6	83	123.5

MP6-G Series Overview

Description

Cosmau MP6-G series multiple passage rotary unions with 6 channel for media transfer, design for compressed air, gas in rotating system.

- Transmit compressed air, gas when 360°unrestricted rotation
- Combined with electrical slip ring,transfer power,control signal, data
- Through hole or flange structure optional
- Available all kinds of custom solutions



Specifications

Item	
Pneumatic Channel	6
Pressure	-100kPa ~ 10bar
Connection Size	M5, 1/8" 1/4", 3/8"
Connection Type	NPT, BSPP
Operating Temperature	-5° C to 80° C
Suitable Media	Air / Gas / Vacuum
Speed	200 RPM (reference value)
Housing Material	AL alloy

All values listed under Technical Specifications are dependent on a combination of all application parameters. Please note operational life is dependent upon both rotational speed and duty cycle.

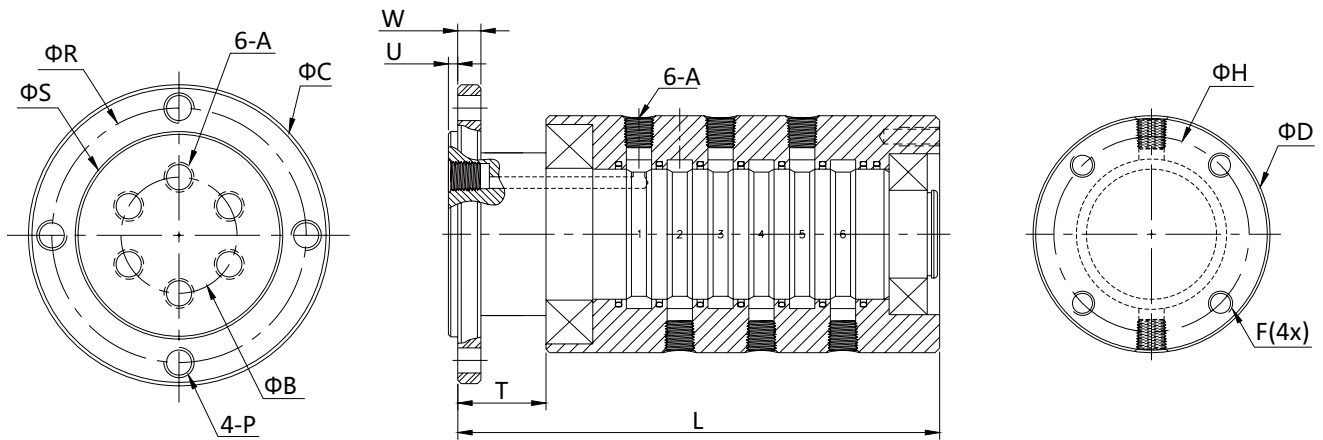
Options

- Mounting Flange
- Connection Size
- Connection Type
- Material
- Pressure
- Media
- Optional Speed
- Combine with electrical slip ring

INTRODUCE

MP6-G

MP6-G Series Dimensions



Part#	A(BSPP/NPT)	ΦB	ΦC	ΦD	ΦR	ΦS	U	W	T	P	F	ΦH	L
MP-601-G	1/8"	36	74.5	57	66	54	3	6	18	M5	M5	47	109.1
MP-602-G	1/4"	39	79.5	59.5	70	58	3	6	21.5	M5	M5	49	118
MP-603-G	3/8"	58	104.5	77.5	95	81.5	3	7	27.5	M5	M5	67	142.5

MP8-G Series Overview

Description

Cosmau MP8-G series multiple passage rotary unions with 8 channel for media transfer, design for compressed air, gas in rotating system.

- Transmit compressed air, gas when 360°unrestricted rotation
- Combined with electrical slip ring,transfer power,control signal, data
- Through hole or flange structure optional
- Available all kinds of custom solutions



Specifications

Item	
Pneumatic Channel	8
Pressure	-100kPa ~ 10bar
Connection Size	M5, 1/8" 1/4" , 3/8"
Connection Type	NPT, BSPP
Operating Temperature	-5° C to 80° C
Suitable Media	Air / Gas / Vacuum
Speed	200 RPM (reference value)
Material	AL alloy

All values listed under Technical Specifications are dependent on a combination of all application parameters. Please note operational life is dependent upon both rotational speed and duty cycle.

Options

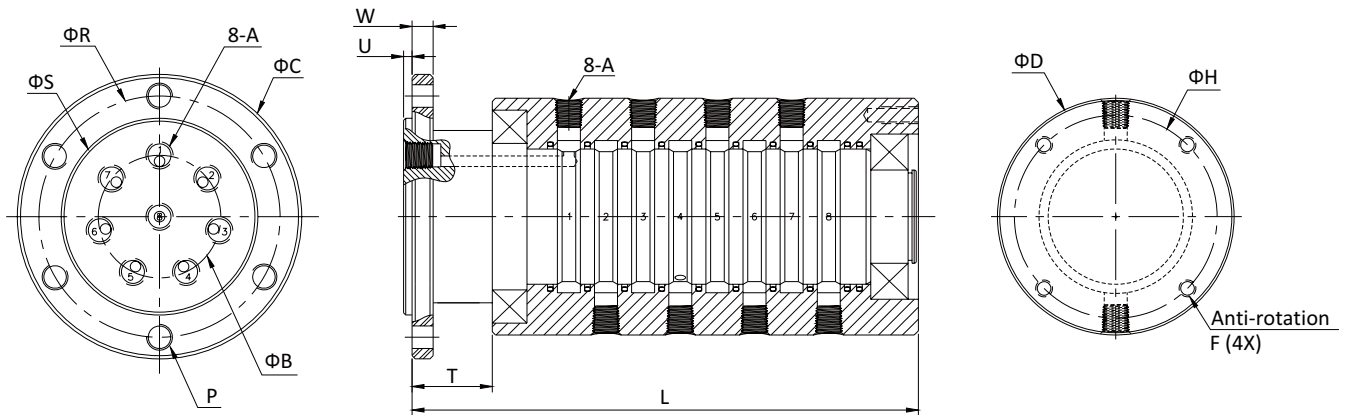
- Mounting Flange
- Connection Size
- Connection Type
- Material
- Pressure
- Media
- Optional Speed
- Combine with electrical slip ring

INTRODUCE

MP8-G

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MP8-G Series Dimensions



Part#	A(BSPP/NPT)	ΦB	ΦC	ΦD	ΦR	ΦS	U	W	T	P	F	ΦH	L
MP-801-G	1/8"	44	84	63.5	74	63	3	7	18	M5	M5	53	127.1
MP-802-G	1/4"	50	89.5	68.5	80.5	70	3	7	21.5	M5	M5	58	141.3
MP-803-G	1/2"	63	114	94.5	104	90	3	7	30.5	M5	M5	84	176.3

MP-G-XT Pneumatic Rotary Union

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Cosmau MP-G-XT series multiple passage rotary unions with 2 ~16 channel for media transfer, design for compressed air, gas in rotating system.



Features:

- Transmit compressed air, gas when 360°unrestricted rotation
- Combined with electrical slip ring,transfer power,control signal, data
- Lightweight, compact, very low torque, affordable price
- Through hole or flange structure optional
- Available all kinds of custom solutions

MP-G SERIES MODEL#

Model#	Pneumatic Channel	Pressure	Connection Size	Speed
MP2-G-XT	2	-100 kPa ~ 1 MPa	M5, 1/8", 1/4", 3/8"	Max. 400 RPM
MP3-G-XT	3	-100 kPa ~ 1 MPa	M5, 1/8", 1/4", 3/8"	Max. 400 RPM
MP4-G-XT	4	-100 kPa ~ 1MPa	M5, 1/8", 1/4", 3/8"	Max. 300 RPM
MP6-G-XT	6	-100kPa ~ 1 MPa	M5, 1/8", 1/4", 3/8"	Max. 300 RPM
MP8-G-XT	8	-100kPa ~ 1MPa	M5,1/8", 1/4"	Max.250 RPM

MP2-G-XT Series Overview

Description

Cosmau MP2-G-XT series multiple passage rotary unions with 2 channel for media transfer, design for compressed air, gas in rotating system.

- Transmit compressed air, gas when 360°unrestricted rotation
- Combined with electrical slip ring,transfer power,control signal, data
- Through hole or flange structure optional
- Available all kinds of custom solutions



Specifications

Item	
Pneumatic Channel	2
Pressure	-100kPa ~ 10bar
Connection Size	M5, 1/8" 1/4", 3/8"
Connection Type	BSPP
Operating Temperature	-18° C to 120° C
Suitable Media	Air / Gas / Vacuum
Speed	200 RPM (reference value)
Material	AL alloy housing, Carbon Steel Shaft
Service life	80 million rotations

Note: All values listed under Technical Specifications are dependent on a combination of all application parameters. Please note service life is dependent upon both rotational speed and duty cycle.

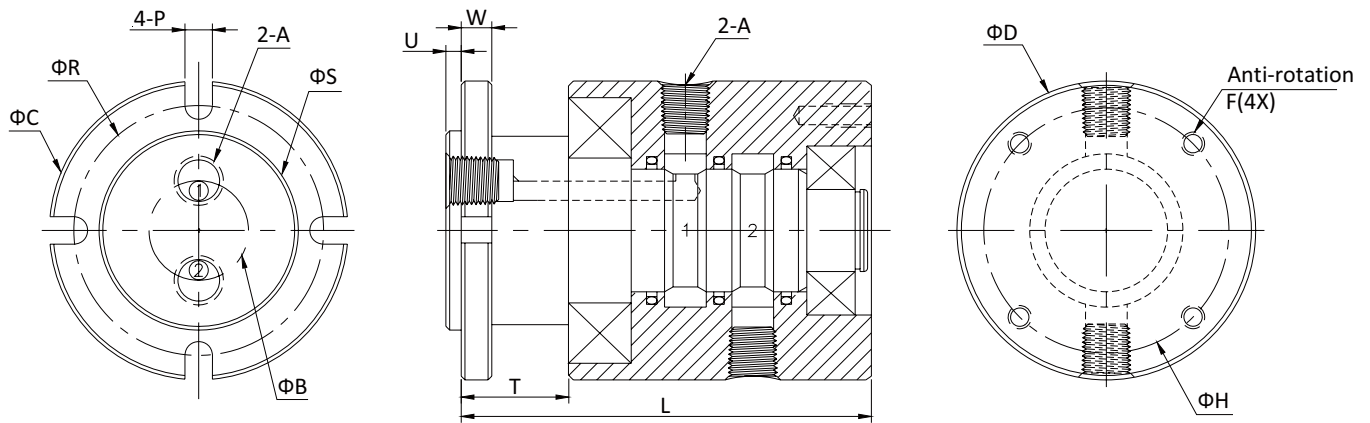
Options

- Mounting Flange
- Connection Size
- Connection Type
- Material
- Pressure
- Media
- Optional Speed
- Combine with electrical slip ring

INTRODUCE

MP2-G

MP2-G-XT Series Dimensions



Part#	A(BSPP/NPT)	ΦB	ΦC	ΦD	ΦR	ΦS	U	W	T	P	F	ΦH	L
MP-201-G-XT	1/8"	16	54	54	45	34	2	5	21.5	5.2	M5	45	75.5
MP-202-G-XT	1/4"	19	59	59	50	40	2	5	21.5	5.2	M5	50	79.9
MP-203-G-XT	3/8"	23	74	74	63.5	49	2	6	21.5	6.5	M6	63.5	84.9

MP3-G-XT Series Overview

Description

Cosmau MP3-G-XT series multiple passage rotary unions with 3 channel for media transfer, design for compressed air, gas in rotating system.

- Transmit compressed air, gas when 360°unrestricted rotation
- Combined with electrical slip ring,transfer power,control signal, data
- Through hole or flange structure optional
- Available all kinds of custom solutions



Specifications

Item	
Pneumatic Channel	3
Pressure	-100kPa ~ 10bar
Connection Szie	M5, 1/8" 1/4" , 3/8"
Connection Type	BSPP
Operating Temperature	-18° C to 120° C
Suitable Media	Air / Gas / Vacuum
Speed	200 RPM (reference value)
Material	AL alloy housing, Carbon Steel Shaft
Service life	80 million rotations

Note: All values listed under Technical Specifications are dependent on a combination of all application parameters. Please note service life is dependent upon both rotational speed and duty cycle.

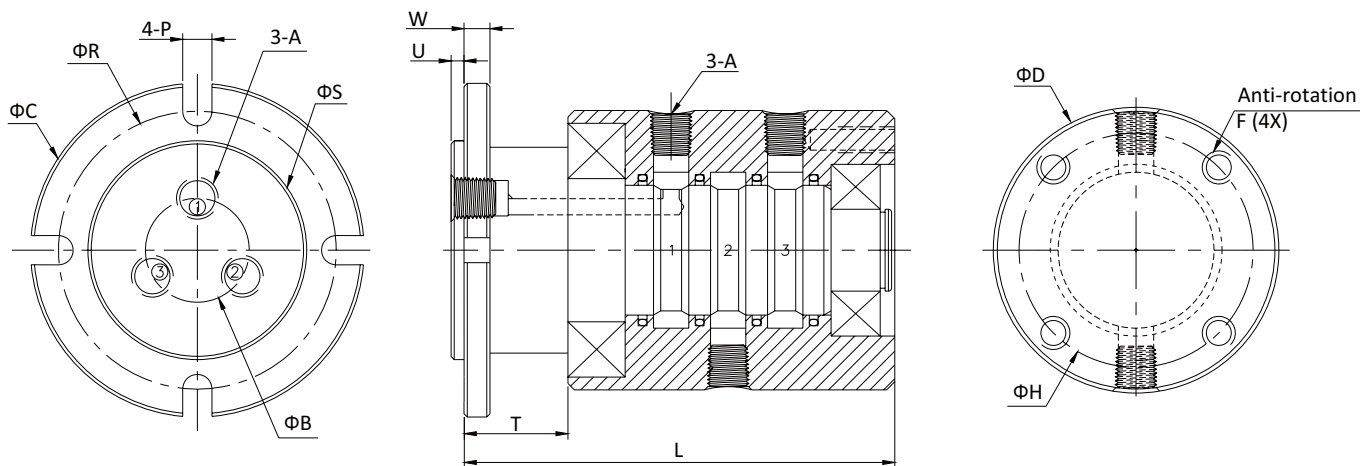
Options

- Mounting Flange
- Connection Size
- Connection Type
- Material
- Pressure
- Media
- Optional Speed
- Combine with electrical slip ring

INTRODUCE

MP3-G-XT

MP3-G-XT Series Dimensions



Part#	A(BSPP/NPT)	ΦB	ΦC	ΦD	ΦR	ΦS	U	W	T	P	F	ΦH	L
MP-301-G-XT	1/8"	20	59	59	50	40	2	5	21.5	5.2	M5	50	88.9
MP-302-G-XT	1/4"	21	59	59	50	40	2	5	21.5	5.2	M5	50	91.9
MP-303-G-XT	3/8"	26	74	74	63.5	50	2	6	21.5	6.5	M6	63.5	98.9

MP4-G-XT Series Overview

Description

Cosmau MP4-G-XT series multiple passage rotary unions with 4 channel for media transfer, design for compressed air, gas in rotating system.

- Transmit compressed air, gas when 360°unrestricted rotation
- Combined with electrical slip ring,transfer power,control signal, data
- Through hole or flange structure optional
- Available all kinds of custom solutions



Specifications

Item	
Pneumatic Channel	4
Pressure	-100kPa ~ 10bar
Connection Szie	M5, 1/8" 1/4", 3/8"
Connection Type	BSPP
Operating Temperature	-18° C to 120° C
Suitable Media	Air / Gas / Vacuum
Speed	200 RPM (reference value)
Material	AL alloy housing, Carbon Steel Shaft
Service life	80 million rotations

Note: All values listed under Technical Specifications are dependent on a combination of all application parameters. Please note service life is dependent upon both rotational speed and duty cycle.

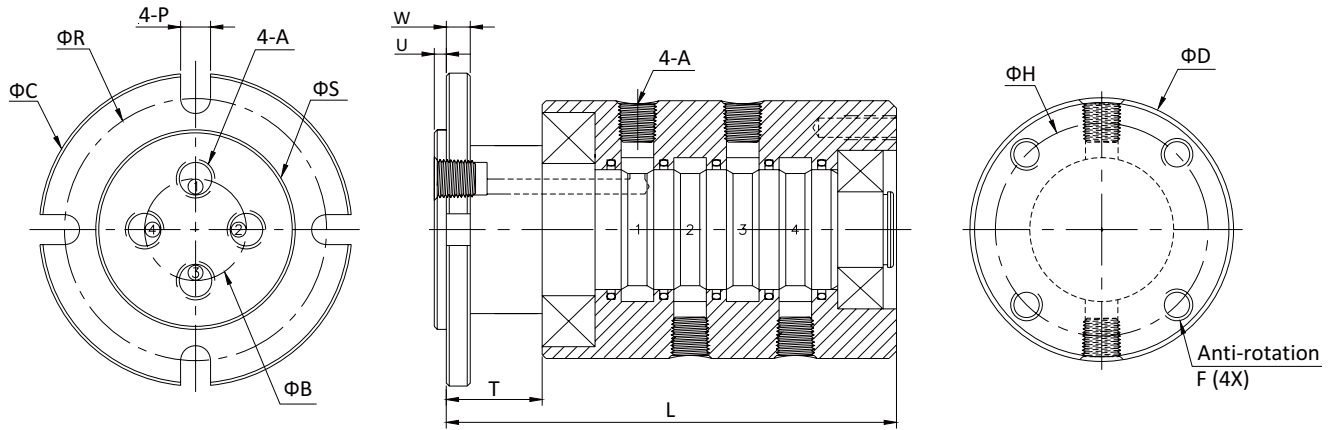
Options

- Mounting Flange
- Connection Size
- Connection Type
- Material
- Pressure
- Media
- Optional Speed
- Combine with electrical slip ring

INTRODUCE

MP4-G-XT

MP4-G-XT Series Dimensions



Part#	A(BSPP/NPT)	ΦB	ΦC	ΦD	ΦR	ΦS	U	W	T	P	F	ΦH	L
MP-401-G-XT	1/8"	21	59	59	50	40	2	5	21.5	5.2	M5	50	99.9
MP-402-G-XT	1/4"	26	64	64	55	45	2	5	21.5	5.2	M5	55	103.9
MP-403-G-XT	3/8"	31	79	79	68.5	56	2	6	21.5	6.5	M6	68.5	112.9

MP6-G-XT Series Overview

Description

Cosmau MP6-G-XT series multiple passage rotary unions with 6 channel for media transfer, design for compressed air, gas in rotating system.

- Transmit compressed air, gas when 360°unrestricted rotation
- Combined with electrical slip ring,transfer power,control signal, data
- Through hole or flange structure optional
- Available all kinds of custom solutions



Specifications

Item	
Pneumatic Channel	6
Pressure	-100kPa ~ 10bar
Connection Size	M5, 1/8" 1/4", 3/8"
Connection Type	BSPP
Operating Temperature	-18° C to 120° C
Suitable Media	Air / Gas / Vacuum
Speed	200 RPM (reference value)
Material	AL alloy housing, Carbon Steel Shaft
Service life	80 million rotations

Note: All values listed under Technical Specifications are dependent on a combination of all application parameters. Please note service life is dependent upon both rotational speed and duty cycle.

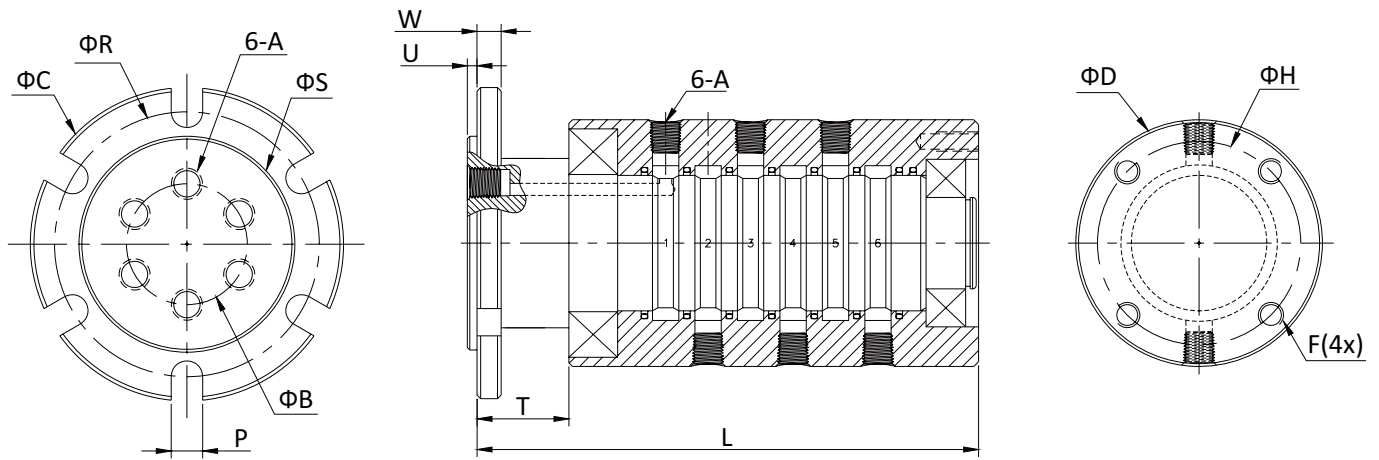
Options

- Mounting Flange
- Connection Size
- Connection Type
- Material
- Pressure
- Media
- Optional Speed
- Combine with electrical slip ring

INTRODUCE

MP6-G-XT

MP6-G-XT Series Dimensions



Part#	A(BSPP/NPT)	ΦB	ΦC	ΦD	ΦR	ΦS	U	W	T	P	F	ΦH	L
MP-601-G-XT	1/8"	33	69	59	60	49.5	2	5	21.5	5.2	M5	50	122.9
MP-602-G-XT	1/4"	39	79	59	69	58	2	5	21.5	6.5	M6	49	129.9
MP-603-G-XT	3/8"	48	94	74	83.5	72	2	6	25.5	6.5	M6	64	146.9

MP8-G-XT Series Overview

Description

Cosmau MP8-G-XT series multiple passage rotary unions with 8 channel for media transfer, design for compressed air, gas in rotating system.

- Transmit compressed air, gas when 360°unrestricted rotation
- Combined with electrical slip ring,transfer power,control signal, data
- Through hole or flange structure optional
- Available all kinds of custom solutions

**Specifications**

Item	
Pneumatic Channel	8
Pressure	-100kPa ~ 10bar
Connection Size	M5, 1/8" 1/4"
Connection Type	BSPP
Operating Temperature	-18° C to 120° C
Suitable Media	Air / Gas / Vacuum
Speed	200 RPM (reference value)
Material	AL alloy housing, Carbon Steel Shaft
Service life	80 million rotations

Note: All values listed under Technical Specifications are dependent on a combination of all application parameters. Please note service life is dependent upon both rotational speed and duty cycle.

Options

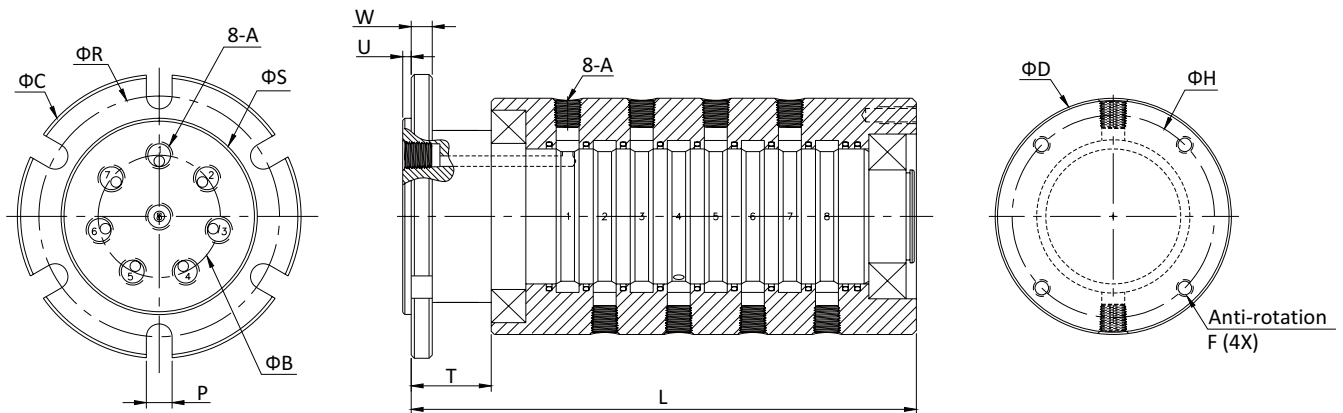
- Mounting Flange
- Connection Size
- Connection Type
- Material
- Pressure
- Media
- Optional Speed
- Combine with electrical slip ring

INTRODUCE

MP8-G-XT

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MP8-G-XT Series Dimensions



Part#	A(BSPP/NPT)	ΦB	ΦC	ΦD	ΦR	ΦS	U	W	T	P	F	ΦH	L
MP-801-G-XT	1/8"	42	79.5	69	69	58	2	6	21.5	6.5	M6	59	146.9
MP-802-G-XT	1/4"	48	89	69	78.5	67.5	2	6	21.5	6.5	M6	59	154.9

CMR Series Low Torque Rotary Union

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The CMR series rotary union is structured for the equipment such as air, inert gas and so on, which are used in automation and robot equipment and need very low torque.



Features:

- Continuous 360° rotation
- Available 2,4,6,8,12,16, 24 channel
- Allowable rpm: ≤300, high speed can be custom
- Operating pressure: -100 kPa to 1 MPa

CMR SERIES MODEL#

Model#	Pneumatic Channel	Pressure	Connection Size	Speed
CMR2	2	-100 kPa ~ 1 MPa	M5, 1/8", 1/4", 3/8"	Max. 300 RPM
CMR4	4	-100 kPa ~ 1MPa	M5, 1/8", 1/4", 3/8"	Max. 300 RPM
CMR6	6	-100 kPa ~ 1MPa	M5, 1/8", 1/4", 3/8"	Max. 300 RPM
CMR8	8	-100kPa ~ 1MPa	M5, 1/8", 1/4", 3/8"	Max. 300 RPM
CMR12	12	-100kPa ~ 1MPa	M5, 1/8", 1/4", 3/8"	Max. 200 RPM
CMR16	16	-100kPa ~ 1MPa	M5, 1/8"	Max. 200 RPM
CMR24	24	-100kPa ~ 1MPa	M5, 1/8"	Max. 150 RPM

CMR2 Series Overview

Description

Cosmau CMR2 series multiple passage rotary unions with 2 channel for media transfer, design for compressed air, gas in rotating system.

- Transmit compressed air, gas when 360°unrestricted rotation
- Combined with electrical slip ring,transfer power,control signal, data
- Through hole or flange structure optional
- Very low torque

**Specifications**

Item	
Pneumatic Channel	2
Pressure	-100kPa ~ 1MPa
Connection Size	M5, 1/8" 1/4", 3/8"
Connection Type	NPT, BSPP
Operating Temperature	-5° C to 80° C
Suitable Media	Air / Gas / Vacuum
Speed	200 RPM(reference value)
Material	AL alloy

All values listed under Technical Specifications are dependent on a combination of all application parameters. Please note operational life is dependent upon both rotational speed and duty cycle.

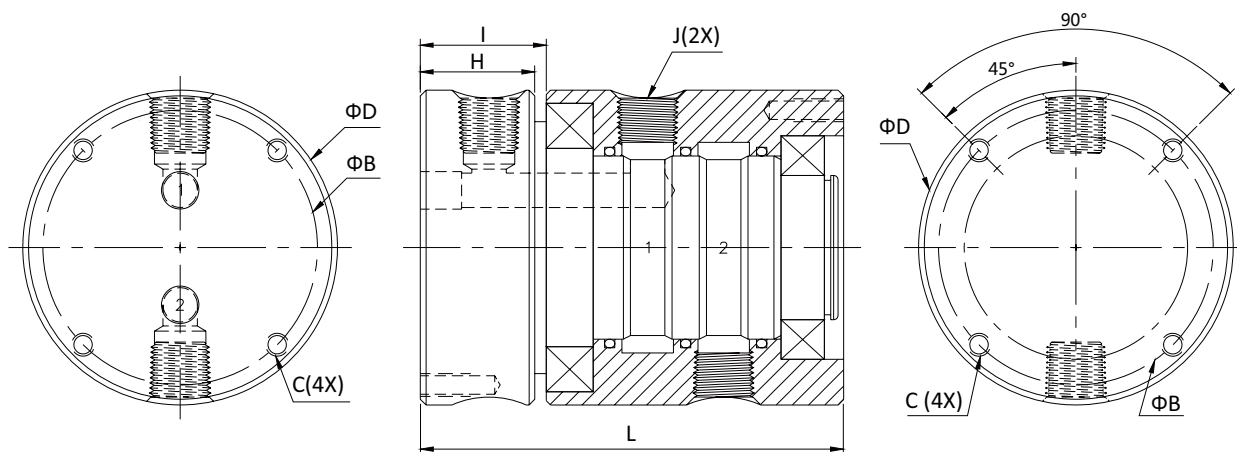
Options

- Mounting Flange
- Connection Size
- Connection Type
- Material
- Pressure
- Media
- Optional Speed
- Combine with electrical slip ring

INTRODUCE

CMR2

CMR2 Series Dimensions



Part#	J(BSPP/NPT)	ΦB	C	ΦD	H	I	L
CMR-200	M5	29	M3	35	13	14	50
CMR-201	1/8"	41	M4	49	18.5	19.5	65.5
CMR-202	1/4"	41	M4	49	21.5	22.5	70.5
CMR-203	3/8"	53	M5	62	27.5	28.5	85.5

CMR4 Series Overview

Description

Cosmau CMR4 series multiple passage rotary unions with 4 channel for media transfer, design for compressed air, gas in rotating system.

- Transmit compressed air, gas when 360°unrestricted rotation
- Combined with electrical slip ring,transfer power,control signal, data
- Through hole or flange structure optional
- Very low torque

**Specifications**

Item	
Pneumatic Channel	4
Pressure	-100kPa ~ 1MPa
Connection Size	M5, 1/8" 1/4" , 3/8"
Connection Type	NPT, BSPP
Operating Temperature	-5° C to 80° C
Suitable Media	Air / Gas / Vacuum
Speed	200 RPM (reference value)
Material	AL alloy

All values listed under Technical Specifications are dependent on a combination of all application parameters. Please note operational life is dependent upon both rotational speed and duty cycle.

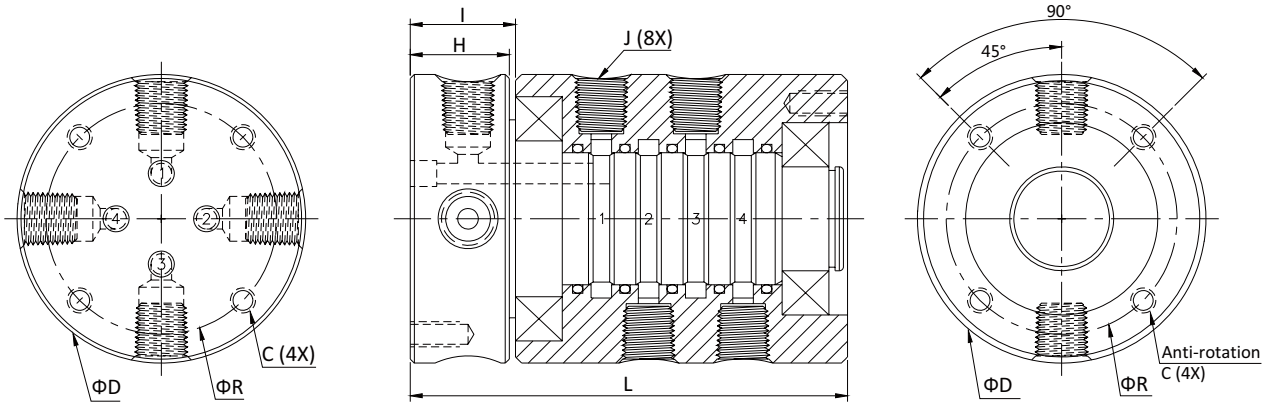
Options

- Mounting Flange
- Connection Size
- Connection Type
- Material
- Pressure
- Media
- Optional Speed
- Combine with electrical slip ring

INTRODUCE

CMR4

CMR4 Series Dimensions



Part#	J(BSPP/NPT)	ΦR	C	ΦD	H	I	L
CMR-400	M5	37	M4	44	14	15	70
CMR-401	1/8"	45	M5	54	18.5	19.5	86
CMR-402	1/4"	45	M5	54	21.5	22.5	93
CMR-403	3/8"	58	M6	68	27.5	28.5	115

CMR6 Series Overview

Description

Cosmau CMR6 series multiple passage rotary unions with 6 channel for media transfer, design for compressed air, gas in rotating system.

- Transmit compressed air, gas when 360°unrestricted rotation
- Combined with electrical slip ring,transfer power,control signal, data
- Through hole or flange structure optional
- Very low torque

**Specifications**

Item	
Pneumatic Channel	6
Pressure	-100kPa ~ 1MPa
Connection Size	M5, 1/8" 1/4" , 3/8"
Connection Type	NPT, BSPP
Operating Temperature	-5° C to 80° C
Suitable Media	Air / Gas / Vacuum
Speed	200 RPM (reference value)
Material	AL alloy

All values listed under Technical Specifications are dependent on a combination of all application parameters. Please note operational life is dependent upon both rotational speed and duty cycle.

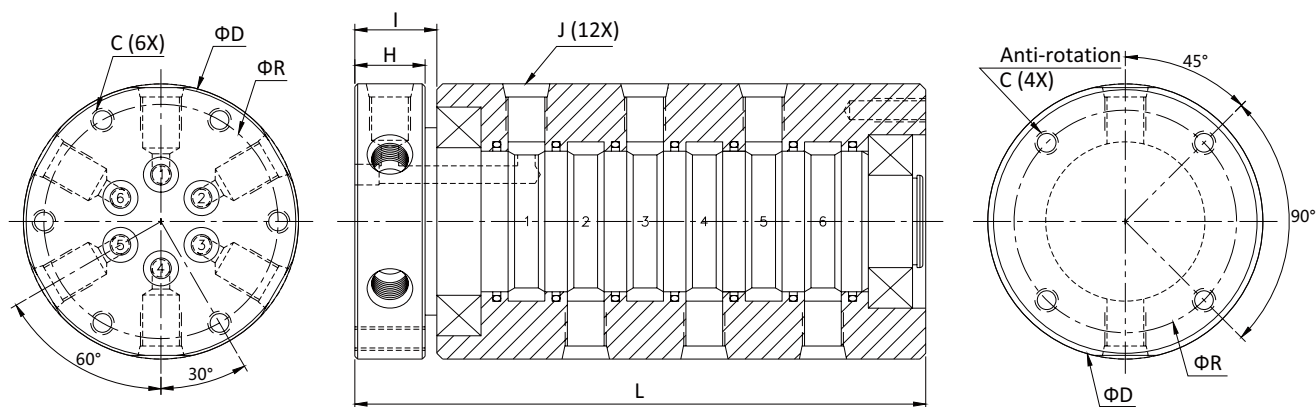
Options

- Mounting Flange
- Connection Size
- Connection Type
- Material
- Pressure
- Media
- Optional Speed
- Combine with electrical slip ring

INTRODUCE

CMR6

CMR6 Series Dimensions



Part#	J(BSPP/NPT)	ΦR	C	ΦD	H	I	L
CMR-601	1/8"	45	M5	54	18.5	19.5	101.9
CMR-602	1/4"	53	M5	62	21.5	22.5	118.5
CMR-603	3/8"	64	M6	74	27.5	28.5	143.9

CMR8 Series Overview

Description

Cosmau cmr8 series multiple passage rotary unions with 8 channel for media transfer, design for compressed air, gas in rotating system.

- Transmit compressed air, gas when 360°unrestricted rotation
- Combined with electrical slip ring,transfer power,control signal, data
- Through hole or flange structure optional
- Very low torque



Specifications

Item	
Pneumatic Channel	8
Pressure	-100kPa ~ 1MPa
Connection Szie	M5, 1/8" 1/4" , 3/8"
Connection Type	NPT, BSPP
Operating Temperature	-5° C to 80° C
Suitable Media	Air / Gas / Vacuum
Speed	200 RPM (reference value)
Material	AL alloy

All values listed under Technical Specifications are dependent on a combination of all application parameters. Please note operational life is dependent upon both rotational speed and duty cycle.

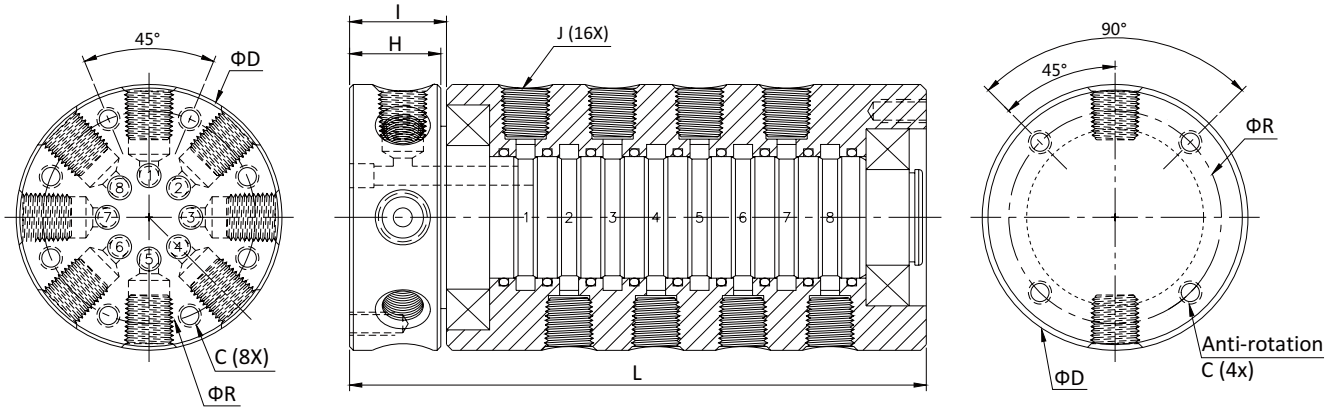
Options

- Mounting Flange
- Connection Size
- Connection Type
- Material
- Pressure
- Media
- Optional Speed
- Combine with electrical slip ring

INTRODUCE

CMR8

CMR8 Series Dimensions



Part#	J(BSP/NPT)	ΦR	C	ΦD	H	I	L
CMR-800	M5	42	M4	49	15	16	105
CMR-801	1/8"	47	M5	56	18.5	19.5	118.5
CMR-802	1/4"	55	M5	64	21.5	22.5	137.8
CMR-803	3/8"	69	M6	79	27.5	28.5	168.5

CMR12 Series Overview

Description

Cosmau cmr12 series multiple passage rotary unions with 12 channel for media transfer, design for compressed air, gas in rotating system.

- Transmit compressed air, gas when 360°unrestricted rotation
- Combined with electrical slip ring,transfer power,control signal, data
- Through hole or flange structure optional
- Very low torque

**Specifications**

Item	
Pneumatic Channel	12
Pressure	-100kPa ~ 1MPa
Connection Size	M5, 1/8" 1/4", 3/8"
Connection Type	NPT, BSPP
Operating Temperature	-5° C to 80° C
Suitable Media	Air / Gas / Vacuum
Speed	150 RPM (reference value)
Material	AL alloy

All values listed under Technical Specifications are dependent on a combination of all application parameters. Please note operational life is dependent upon both rotational speed and duty cycle.

Options

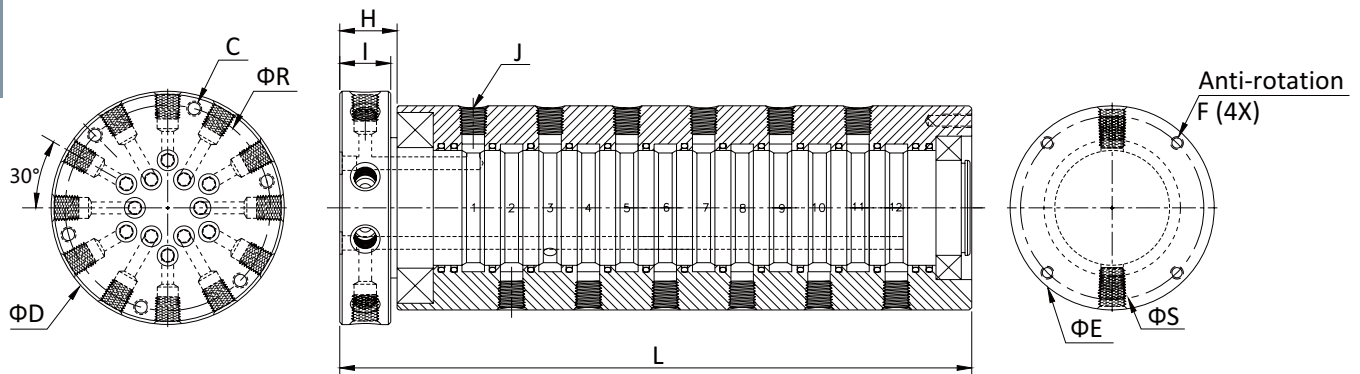
- Mounting Flange
- Connection Size
- Connection Type
- Material
- Pressure
- Media
- Optional Speed
- Combine with electrical slip ring

INTRODUCE

CMR12

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CMR12 Series Dimensions



Part#	A(BSP/NPT)	ΦR	ΦS	C	ΦD	ΦE	H	I	L
CMR-1200	M5	47	46	M4	54	54	17	16	140
CMR-1201	1/8"	66.5	53	M5	74.5	62	21.5	22.5	155.1

CMR16 Series Overview

Description

Cosmau cmr16 series multiple passage rotary unions with 16 channel for media transfer, design for compressed air, gas in rotating system.

- Transmit compressed air, gas when 360°unrestricted rotation
- Combined with electrical slip ring,transfer power,control signal, data
- Through hole or flange structure optional
- Very low torque

**Specifications**

Item	
Pneumatic Channel	16
Pressure	-100kPa ~ 1MPa
Connection Size	M5, 1/8"
Connection Type	NPT, BSPP
Operating Temperature	-5° C to 80° C
Suitable Media	Air / Gas / Vacuum
Speed	120 RPM (reference)
Material	AL alloy

All values listed under Technical Specifications are dependent on a combination of all application parameters. Please note operational life is dependent upon both rotational speed and duty cycle.

Options

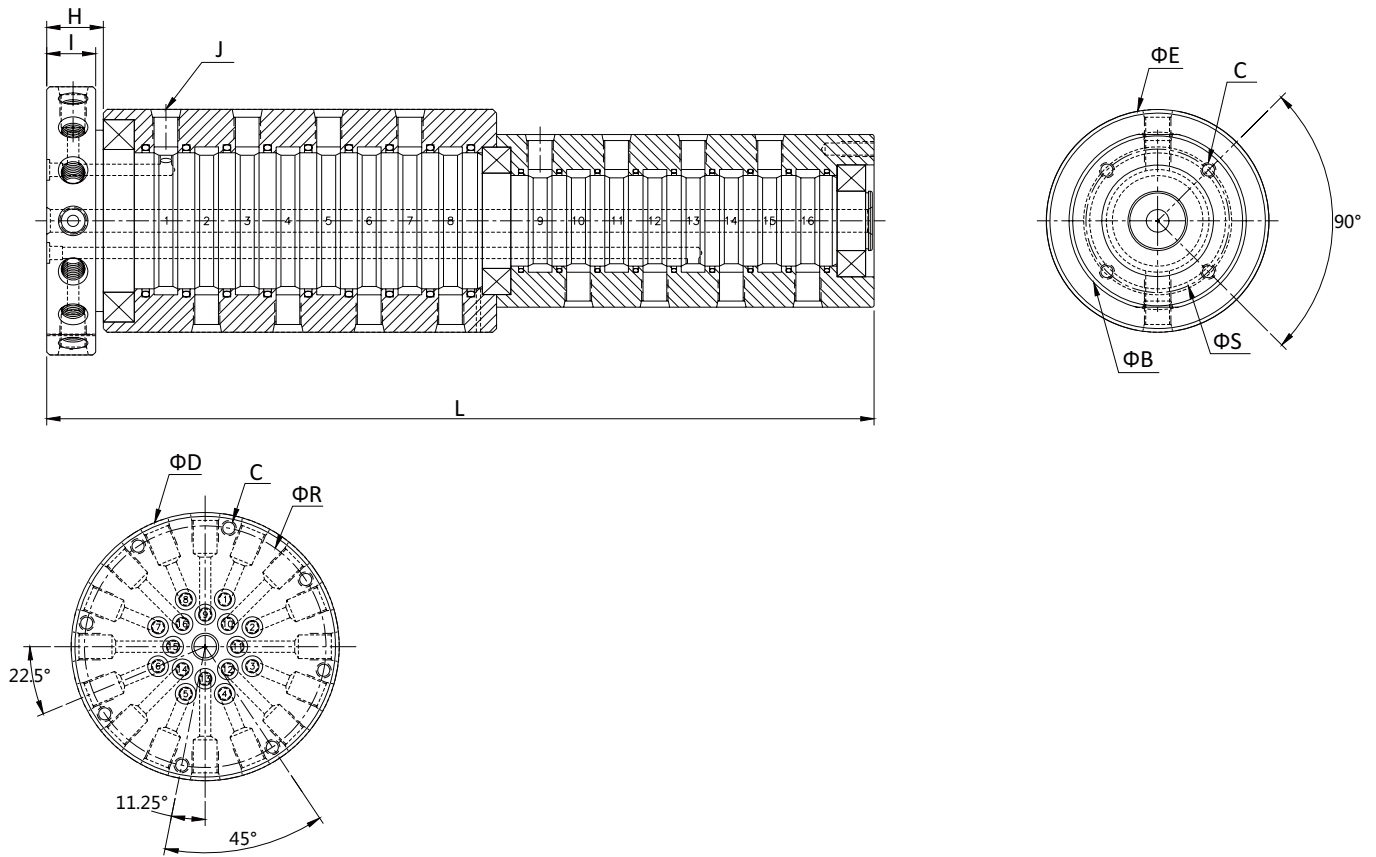
- Mounting Flange
- Connection Size
- Connection Type
- Material
- Pressure
- Media
- Optional Speed
- Combine with electrical slip ring

INTRODUCE

CMR16

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CMR16 Series Dimensions



Part#	J(BSPP/NPT)	ΦD	ΦE	ΦB	ΦR	ΦS	C	H	I	L
CMR-1600	M5	64	64	64	57	57	M4	17.5	16.5	187.5
CMR-1601	1/8"	89	74	56	81	47	M5	25.5	24.5	213.5

CMR24 Series Overview

Description

Cosmau cmr24 series multiple passage rotary unions with 24 channel for media transfer, design for compressed air, gas in rotating system.

- Transmit compressed air, gas when 360°unrestricted rotation
- Combined with electrical slip ring,transfer power,control signal, data
- Through hole or flange structure optional
- Very low torque

**Specifications**

Item	
Pneumatic Channel	24
Pressure	-100kPa ~ 1MPa
Connection Size	M5, 1/8"
Connection Type	NPT, BSPP
Operating Temperature	-5° C to 80° C
Suitable Media	Air / Gas / Vacuum
Speed	120 RPM (reference)
Material	AL alloy

All values listed under Technical Specifications are dependent on a combination of all application parameters. Please note operational life is dependent upon both rotational speed and duty cycle.

Options

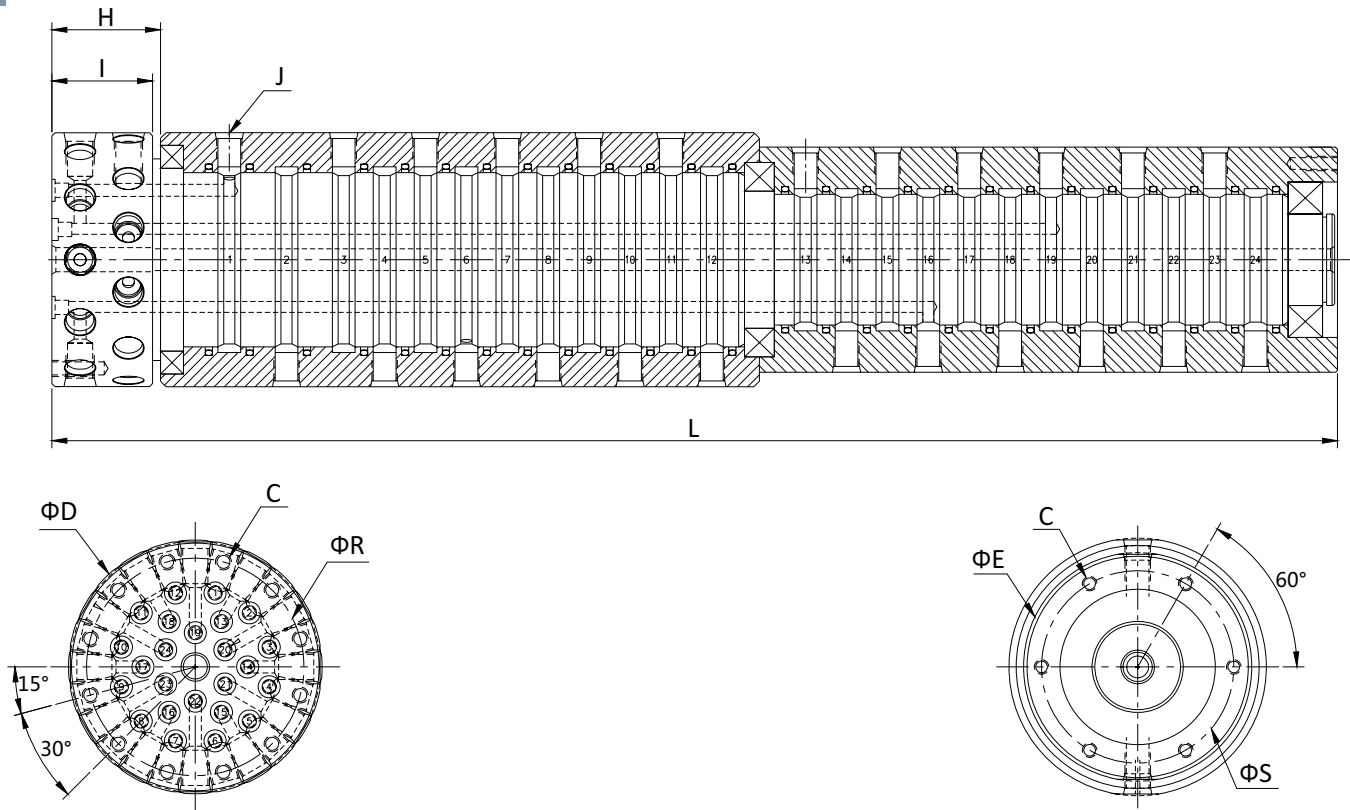
- Mounting Flange
- Connection Size
- Connection Type
- Material
- Pressure
- Media
- Optional Speed
- Combine with electrical slip ring

INTRODUCE

CMR24

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CMR24 Series Dimensions



Part#	J(BSPP/NPT)	ΦR	ΦS	C	ΦD	ΦE	H	I	L
CMR-2400	M5	71	53	M4	79	61	23.5	22.5	265
CMR-2401	1/8"	76	57	M5	84	66	32.5	31.5	302

CMR-XT Series Low Torque Rotary Union

1

The CMR-XT series rotary union is structured for the equipment such as air, inert gas and so on, which are used in automation and robot equipment and need low torque.



Features:

- Continuous 360° rotation
- Available 2,4,6,8,12,16, 24 channel
- Allowable rpm: ≤400, high speed can be custom
- Operating pressure: -100 kPa to 1 MPa

CMR SERIES MODEL#

Model#	Pneumatic Channel	Pressure	Connection Size	Speed
CMR2-XT	2	-100 kPa ~ 1 MPa	M5, 1/8", 1/4", 3/8"	Max. 400 RPM
CMR4-XT	4	-100 kPa ~ 1MPa	M5, 1/8", 1/4", 3/8"	Max. 400 RPM
CMR6-XT	6	-100 kPa ~ 1MPa	M5, 1/8", 1/4", 3/8"	Max. 300 RPM
CMR8-XT	8	-100kPa ~ 1MPa	M5, 1/8", 1/4", 3/8"	Max. 300 RPM

CMR2-XT Series Overview

Description

Cosmau CMR2-XT series multiple passage rotary unions with 2 channel for media transfer, design for compressed air, gas in rotating system.

- Transmit compressed air, gas when 360°unrestricted rotation
- Combined with electrical slip ring,transfer power,control signal, data
- Through hole or flange structure optional
- Low torque

**Specifications**

Item	
Pneumatic Channel	2
Pressure	-100kPa ~ 10bar
Connection Size	M5, 1/8" 1/4", 3/8"
Connection Type	BSPP
Operating Temperature	-18° C to 120° C
Suitable Media	Air / Gas / Vacuum
Speed	200 RPM (reference value)
Material	AL alloy housing, Carbon Steel Shaft
Service life	80 million rotations

Note: All values listed under Technical Specifications are dependent on a combination of all application parameters. Please note service life is dependent upon both rotational speed and duty cycle.

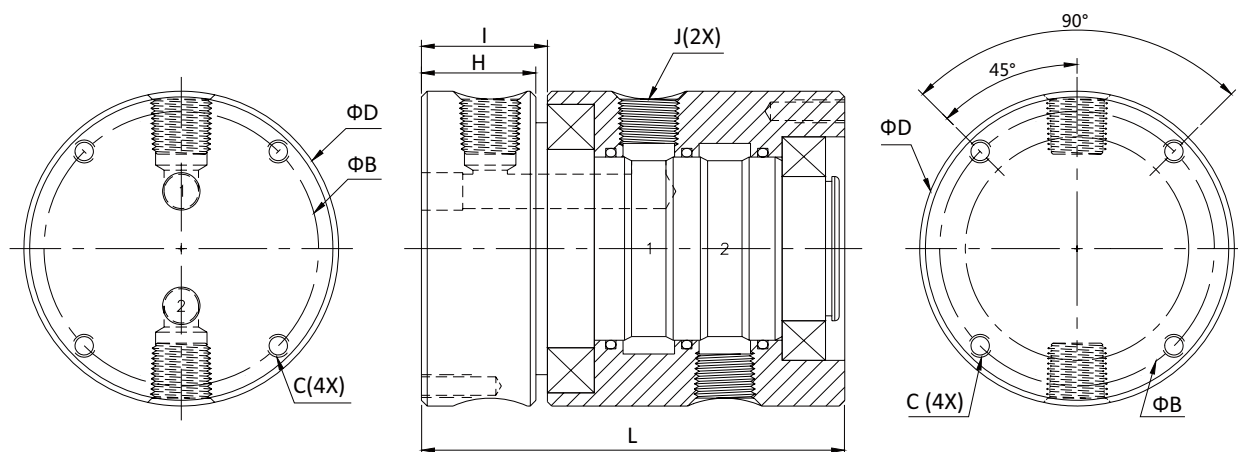
Options

- Mounting Flange
- Connection Size
- Connection Type
- Material
- Pressure
- Media
- Optional Speed
- Combine with electrical slip ring

INTRODUCE

CMR2-XT

CMR2-XT Series Dimensions



Part#	J(BSPP/NPT)	ΦB	C	ΦD	H	I	L
CMR-200-XT	M5	36	M4	44	14.5	15	63.6
CMR-201-XT	1/8"	45	M5	54	18.5	19.5	73.5
CMR-202-XT	1/4"	45	M5	54	21.5	22.5	78.9
CMR-203-XT	3/8"	59	M6	69	27.5	28.5	91.9

CMR4-XT Series Overview

Description

Cosmau CMR4-XT series multiple passage rotary unions with 4 channel for media transfer, design for compressed air, gas in rotating system.

- Transmit compressed air, gas when 360°unrestricted rotation
- Combined with electrical slip ring,transfer power,control signal, data
- Through hole or flange structure optional
- Low torque

**Specifications**

Item	
Pneumatic Channel	4
Pressure	-100kPa ~ 10bar
Connection Size	M5, 1/8" 1/4" , 3/8"
Connection Type	BSPP
Operating Temperature	-18° C to 120° C
Suitable Media	Air / Gas / Vacuum
Speed	200 RPM (reference value)
Material	AL alloy housing, Carbon Steel Shaft
Service life	80 million rotations

Note: All values listed under Technical Specifications are dependent on a combination of all application parameters. Please note service life is dependent upon both rotational speed and duty cycle.

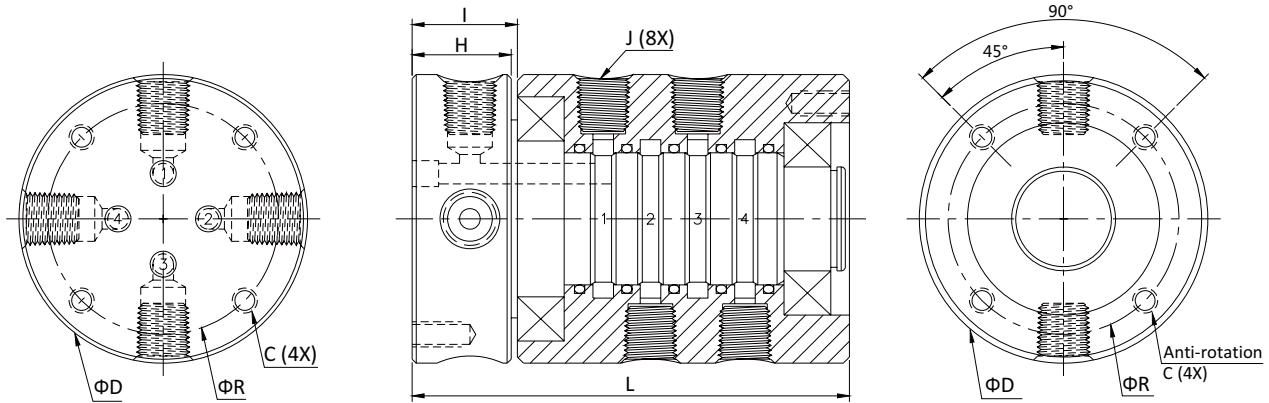
Options

- Mounting Flange
- Connection Size
- Connection Type
- Material
- Pressure
- Media
- Optional Speed
- Combine with electrical slip ring

INTRODUCE

CMR4-XT

CMR4-XT Series Dimensions



Part#	J(BSP/NPT)	ΦR	C	ΦD	H	I	L
CMR-400-XT	M5	36	M4	44	14.5	15	82
CMR-401-XT	1/8"	45	M5	54	18.5	19.5	95.9
CMR-402-XT	1/4"	50	M5	59	21.5	22.5	102.9
CMR-403-XT	3/8"	59	M6	69	27.5	28.5	119.9

CMR6-XT Series Overview

Description

Cosmau CMR6 series multiple passage rotary unions with 6 channel for media transfer, design for compressed air, gas in rotating system.

- Transmit compressed air, gas when 360°unrestricted rotation
- Combined with electrical slip ring,transfer power,control signal, data
- Through hole or flange structure optional
- Low torque

**Specifications**

Item	
Pneumatic Channel	6
Pressure	-100kPa ~ 10bar
Connection Size	M5, 1/8" 1/4", 3/8"
Connection Type	BSPP
Operating Temperature	-18° C to 120° C
Suitable Media	Air / Gas / Vacuum
Speed	200 RPM (reference value)
Material	AL alloy housing, Carbon Steel Shaft
Service life	80 million rotations

Note: All values listed under Technical Specifications are dependent on a combination of all application parameters. Please note service life is dependent upon both rotational speed and duty cycle.

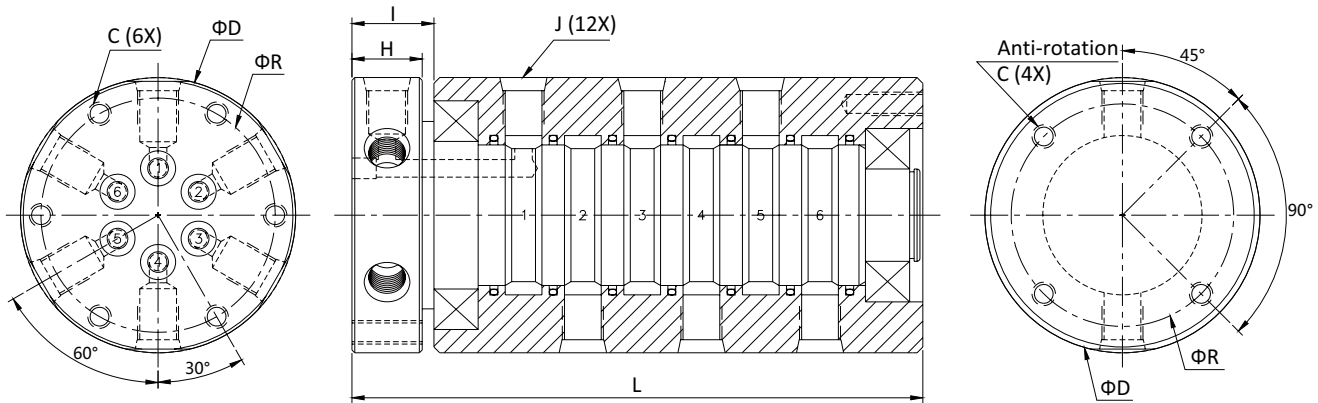
Options

- Mounting Flange
- Connection Size
- Connection Type
- Material
- Pressure
- Media
- Optional Speed
- Combine with electrical slip ring

INTRODUCE

CMR6-XT

CMR6-XT Series Dimensions



Part#	J(BSPP/NPT)	ΦR	C	ΦD	H	I	L
CMR-600-XT	M5	40	M5	49	14.5	15	101
CMR-601-XT	1/8"	50	M5	59	18.5	19.5	120.9
CMR-602-XT	1/4"	50	M5	59	21.5	22.5	130.9
CMR-603-XT	3/8"	64	M6	74	27.5	28.5	147.9

CMR8-XT Series Overview

Description

Cosmau cmr8-xt series multiple passage rotary unions with 8 channel for media transfer, design for compressed air, gas in rotating system.

- Transmit compressed air, gas when 360°unrestricted rotation
- Combined with electrical slip ring,transfer power,control signal, data
- Through hole or flange structure optional
- Low torque



Specifications

Item	
Pneumatic Channel	8
Pressure	-100kPa ~ 10bar
Connection Szie	M5, 1/8" 1/4" , 3/8"
Connection Type	BSPP
Operating Temperature	-18° C to 120° C
Suitable Media	Air / Gas / Vacuum
Speed	200 RPM (reference value)
Material	AL alloy housing, Carbon Steel Shaft
Service life	80 million rotations

Note: All values listed under Technical Specifications are dependent on a combination of all application parameters. Please note service life is dependent upon both rotational speed and duty cycle.

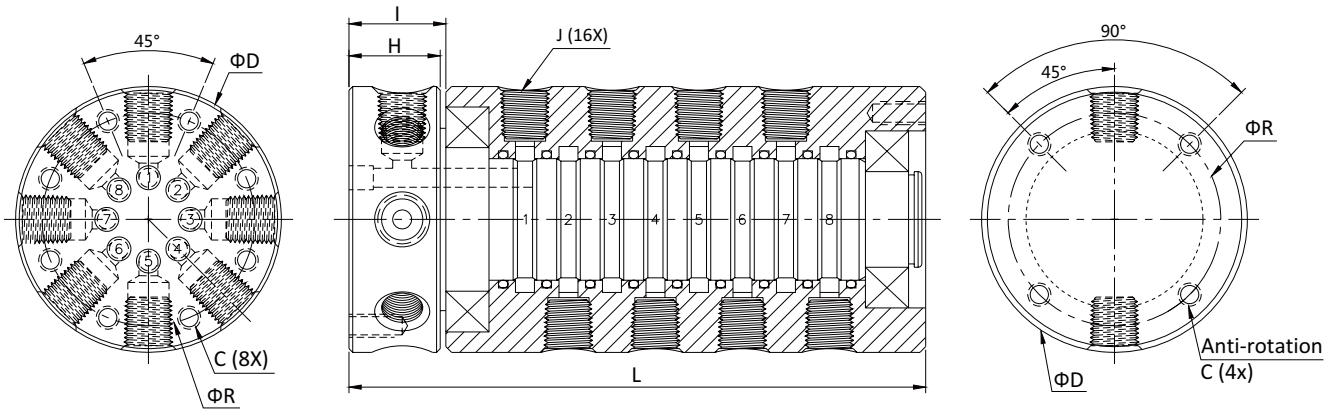
Options

- Mounting Flange
- Connection Size
- Connection Type
- Material
- Pressure
- Media
- Optional Speed
- Combine with electrical slip ring

INTRODUCE

CMR8-XT

CMR8-XT Series Dimensions



Part#	J(BSP/NPT)	ΦR	C	ΦD	H	I	L
CMR-800-XT	M5	44	M5	54	14.5	15	120.9
CMR-801-XT	1/8"	50	M5	59	19.5	20.5	146.7
CMR-802-XT	1/4"	60	M5	69	21.5	22.5	154.9

MP-H Hydraulic Rotary Union

1

Cosmau MP-H series multiple passage rotary unions with 2~16 channel for media transfer, design for oil, water, coolant in rotating system.



Features:

- Transmit compressed oil, water, coolant when 360°unrestricted rotation
- Combined with electrical slip ring,transfer power,control signal, data
- Through hole or flange structure optional
- Available all kinds of custom solutions

MP-H SERIES MODEL#

Model#	Pneumatic Channel	Pressure	Connection Size	Speed
MP2-H	2	Max. 350bar	G1/8" ~ G1"	Max. 300 RPM
MP3-H	3	Max. 350bar	G1/8" ~ G1"	Max. 300 RPM
MP4-H	4	Max. 350bar	G1/8" ~ G1"	Max. 300 RPM
MP6-H	6	Max. 350bar	G1/8" ~ G1"	Max. 300 RPM
MP8-H	8	Max. 350bar	G1/8" ~ G1"	Max.200 RPM
MP10-H	10	Max. 350bar	G1/8" ~ G1"	Max.200 RPM
MP12-H	12	Max. 350bar	G1/8" ~ G1"	Max. 200RPM

MP2-H Series Overview

Description

Cosmau MP2-H series multiple passage rotary unions with 2 channel for media transfer, design for oil, water and coolant in rotating system.

- Transmit hydraulic oil, water and coolant when 360°unrestricted rotation
- Combined with electrical slip ring,transfer power,control signal, data
- Through hole or flange structure optional
- Available all kinds of custom solutions



Specifications

Item	
Pneumatic Channel	2
Pressure	Max. 350bar
Connection Szie	1/8" 1/4", 3/8", 1/2", 3/4", 1"
Connection Type	BSPP
Operating Temperature	-18° C to 150° C
Suitable Media	Oil / Water / Coolant
Speed	Max. 300 RPM
Material	AL alloy housing, Carbon Steel / Stainless Steel Shaft

Note: All values listed under Technical Specifications are dependent on a combination of all application parameters. Please note service life is dependent upon both rotational speed and duty cycle.

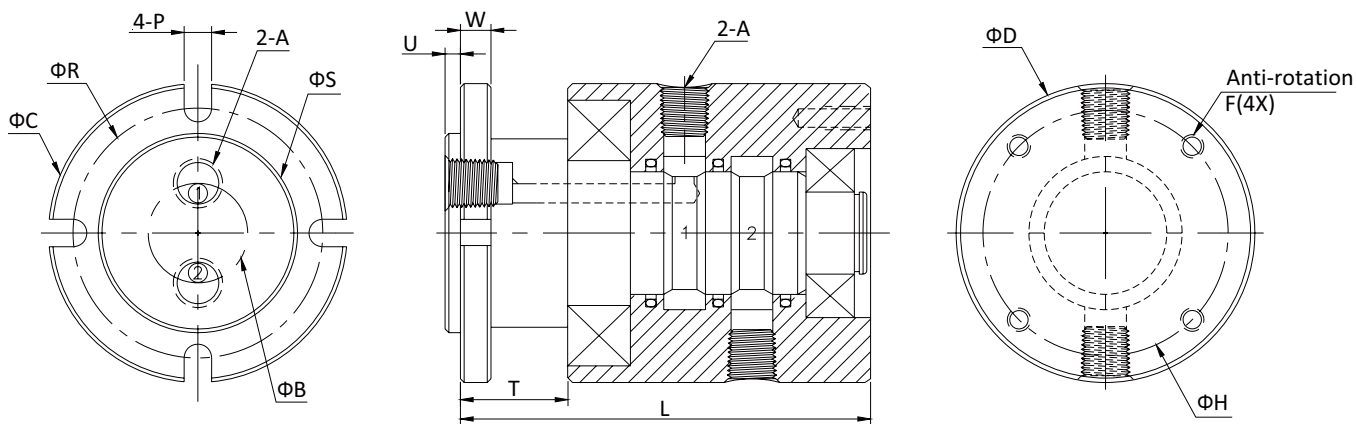
Options

- Mounting Flange / Through Hole
- Connection Size
- Connection Type
- Material
- Pressure
- Media
- Optional Speed
- Combine with electrical slip ring

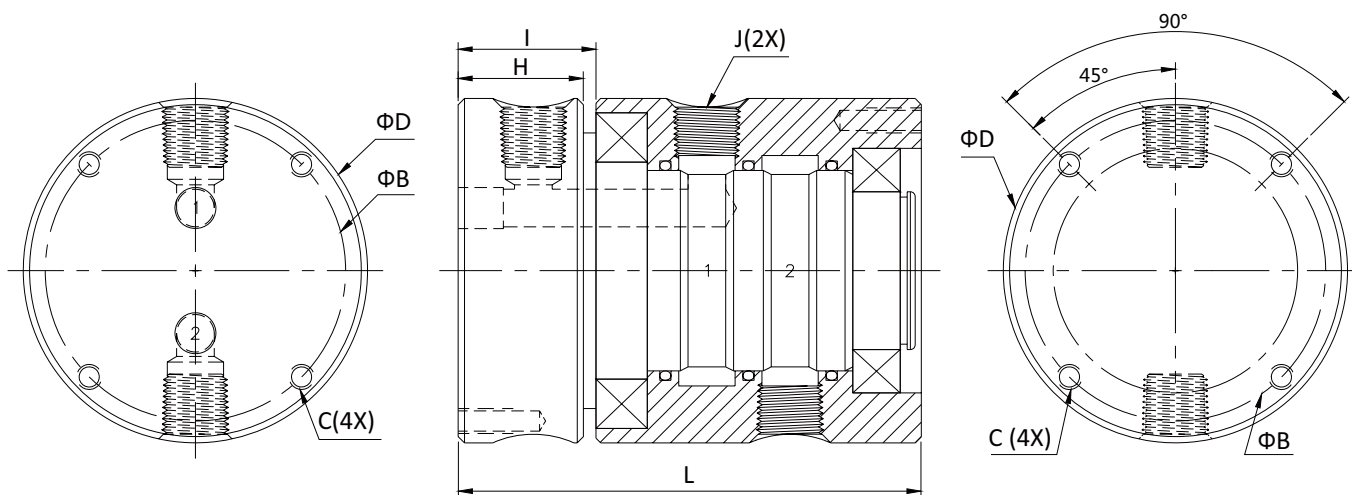
INTRODUCE

MP2-H

MP2-H Series Dimensions



Part#	A(BSPP/NPT)	ΦB	ΦC	ΦD	ΦR	ΦS	U	W	T	P	F	ΦH	L
MP-201-H	1/8"	20.5	64.5	64.5	54	42	3	6	24	6.5	M6	54	114.2
MP-202-H	1/4"	22	69.5	69.5	59	47	3	6	24	6.5	M6	59	117.2
MP-203-H	3/8"	25.5	74.5	74.5	64	52	3	6	24	6.5	M6	64	126.2
MP-204-H	1/2"	31.5	89.5	89.5	76.5	63	3	8	32	9	M8	76.5	149.4
MP-205-H	3/4"	38	104.5	104.5	91.5	76	3	9	32	9	M8	91.5	163.5
MP-206-H	1"	48	129.5	129.5	114	96	4	10	37	11	M10	114	185.2



Part#	J(BSPP/NPT)	ΦB	C	ΦD	H	I	L
AP-201-H	1/8"	54	M6	64.5	19.5	20	110.2
AP-202-H	1/4"	59	M6	69.5	22.5	23	116.2
AP-203-H	3/8"	64	M6	74.5	28.5	29	132.2
AP-204-H	1/2"	77	M8	89.5	33.5	34	148.7
AP-205-H	3/4"	87	M8	99.5	42.5	43	174.5
AP-206-H	1"	100	M10	114.5	56.5	57	205.8

MP3-H Series Overview

Description

Cosmau MP3-H series multiple passage rotary unions with 3 channel for media transfer, design for oil, water and coolant in rotating system.

- Transmit hydraulic oil, water and coolant when 360°unrestricted rotation
- Combined with electrical slip ring,transfer power,control signal, data
- Through hole or flange structure optional
- Available all kinds of custom solutions

**Specifications**

Item	
Pneumatic Channel	3
Pressure	Max. 350bar
Connection Szie	1/8" 1/4", 3/8", 1/2", 3/4", 1"
Connection Type	BSPP
Operating Temperature	-18° C to 150° C
Suitable Media	Oil / Water / Coolant
Speed	Max. 300 RPM
Material	AL alloy housing, Carbon Steel / Stainless Steel Shaft

Note: All values listed under Technical Specifications are dependent on a combination of all application parameters. Please note service life is dependent upon both rotational speed and duty cycle.

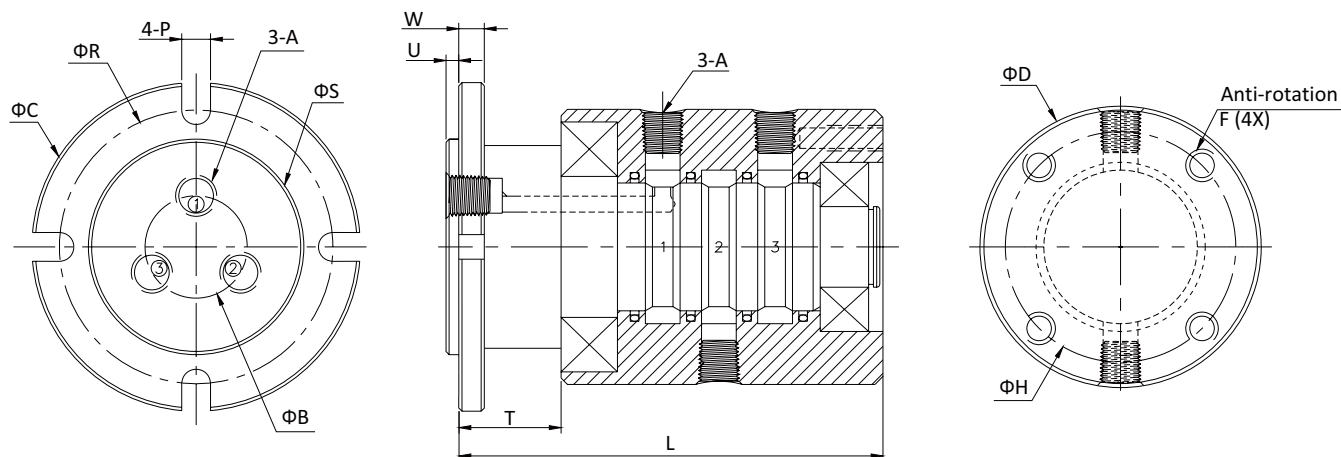
Options

- Mounting Flange / Through Hole
- Connection Size
- Connection Type
- Material
- Pressure
- Media
- Optional Speed
- Combine with electrical slip ring

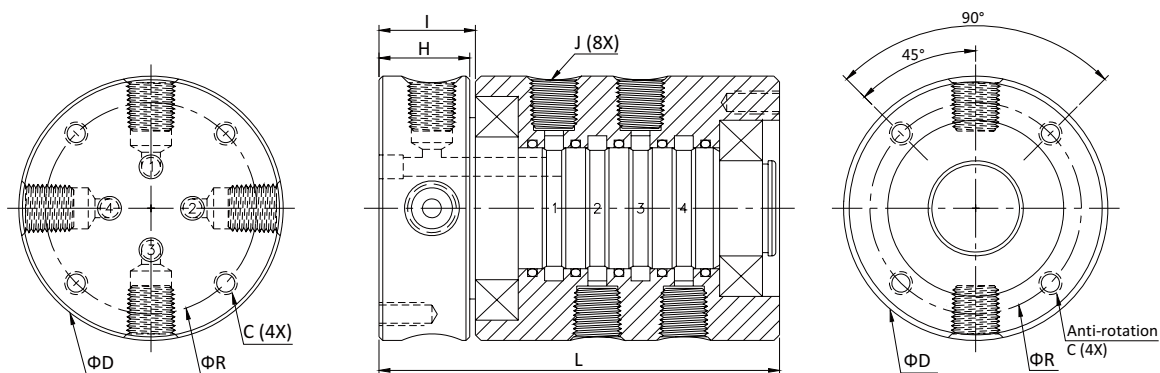
INTRODUCE

MP3-H

MP3-H Series Dimensions



Part#	A(BSPP/NPT)	ΦB	ΦC	ΦD	ΦR	ΦS	U	W	T	P	F	ΦH	L
MP-301-H	1/8"	25	69.5	69.5	59	46	3	6	24	6.5	M6	59	131.4
MP-302-H	1/4"	26	74.5	74.5	64	51	3	6	24	6.5	M6	64	135.4
MP-303-H	3/8"	29.5	79.5	79.5	69	57	3	6	24	6.5	M6	69	149.9
MP-304-H	1/2"	36	94.5	94.5	81.5	67.5	3	8	32	9	M8	81.5	181.4
MP-305-H	3/4"	43	109.5	109.5	96.5	80.5	3	9	32	9	M8	96.5	195.5
MP-306-H	1"	55	134.5	134.5	119	103	4	10	37	11	M10	119	224.5



Part#	J(BSPP/NPT)	ΦR	C	ΦD	H	I	L
AP-301-H	1/8"	54	M6	64.5	19.5	20	127.4
AP-302-H	1/4"	59	M6	69.5	22.5	23	134.4
AP-303-H	3/8"	64	M6	74.5	28.5	29	154.9
AP-304-H	1/2"	77	M8	89.5	33.5	34	175.4
AP-305-H	3/4"	92	M8	104.5	42.5	43	206.4
AP-306-H	1"	105	M10	119.5	56.5	57	244.5

MP4-H Series Overview

Description

Cosmau MP4-H series multiple passage rotary unions with 4 channel for media transfer, design for oil, water and coolant in rotating system.

- Transmit hydraulic oil, water and coolant when 360°unrestricted rotation
- Combined with electrical slip ring,transfer power,control signal, data
- Through hole or flange structure optional
- Available all kinds of custom solutions



Specifications

Item	
Pneumatic Channel	4
Pressure	Max. 350bar
Connection Szie	1/8" 1/4", 3/8", 1/2", 3/4", 1"
Connection Type	BSPP
Operating Temperature	-18° C to 150° C
Suitable Media	Oil / Water / Coolant
Speed	Max. 300 RPM
Material	AL alloy housing, Carbon Steel / Stainless Steel Shaft

Note: All values listed under Technical Specifications are dependent on a combination of all application parameters. Please note service life is dependent upon both rotational speed and duty cycle.

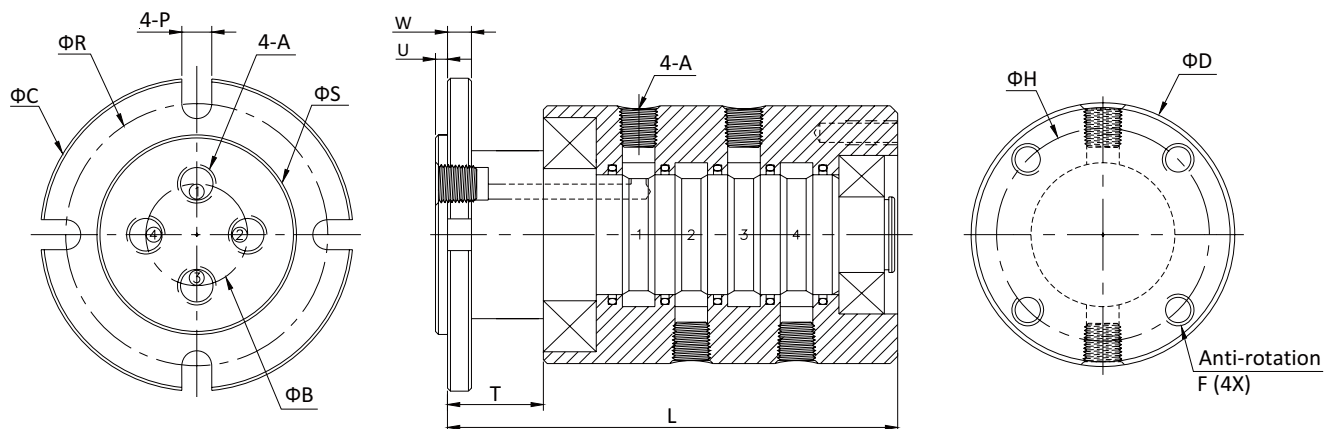
Options

- Mounting Flange / Through Hole
- Connection Size
- Connection Type
- Material
- Pressure
- Media
- Optional Speed
- Combine with electrical slip ring

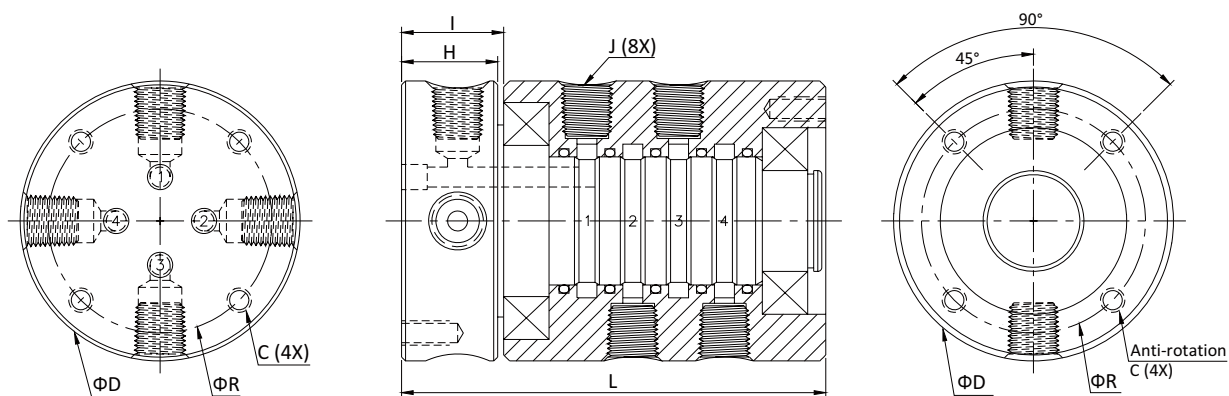
INTRODUCE

MP4-H

MP4-H Series Dimensions



Part#	A(BSP/NPT)	ΦB	ΦC	ΦD	ΦR	ΦS	U	W	T	P	F	ΦH	L
MP-401-H	1/8"	30	74.5	74.5	64	51	3	6	24	6.5	M6	64	149.8
MP-402-H	1/4"	31.5	79.5	79.5	69	56	3	6	24	6.5	M6	69	155.6
MP-403-H	3/8"	36	89.5	89.5	79	64	3	6	24	6.5	M6	79	180.6
MP-404-H	1/2"	42.5	99.5	99.5	86.5	73.5	3	8	32	9	M8	86.5	209.6
MP-405-H	3/4"	53	119.5	119.5	106.5	90.5	3	9	32	9	M8	106.5	230.6
MP-406-H	1"	67	144.5	144.5	130	114.5	4	10	37	11	M10	130	266.8



Part#	J(BSP/NPT)	ΦR	C	ΦD	H	I	L
AP-401-H	1/8"	54	M6	64.5	19.5	20	144.8
AP-402-H	1/4"	59	M6	69.5	22.5	23	152.9
AP-403-H	3/8"	64	M6	74.5	28.5	29	175.9
AP-404-H	1/2"	82	M8	94.5	33.5	34	208.6
AP-405-H	3/4"	92	M8	104.5	42.5	43	238.6
AP-406-H	1"	110	M10	124.5	56.5	57	283.5

MP6-H Series Overview

Description

Cosmau MP6-H series multiple passage rotary unions with 6 channel for media transfer, design for oil, water and coolant in rotating system.

- Transmit hydraulic oil, water and coolant when 360°unrestricted rotation
- Combined with electrical slip ring,transfer power,control signal, data
- Through hole or flange structure optional
- Available all kinds of custom solutions



Specifications

Item	
Pneumatic Channel	6
Pressure	Max. 350bar
Connection Szie	1/8" 1/4", 3/8", 1/2", 3/4", 1"
Connection Type	BSPP
Operating Temperature	-18° C to 150° C
Suitable Media	Oil / Water / Coolant
Speed	Max. 300 RPM
Material	AL alloy housing, Carbon Steel / Stainless Steel Shaft

Note: All values listed under Technical Specifications are dependent on a combination of all application parameters. Please note service life is dependent upon both rotational speed and duty cycle.

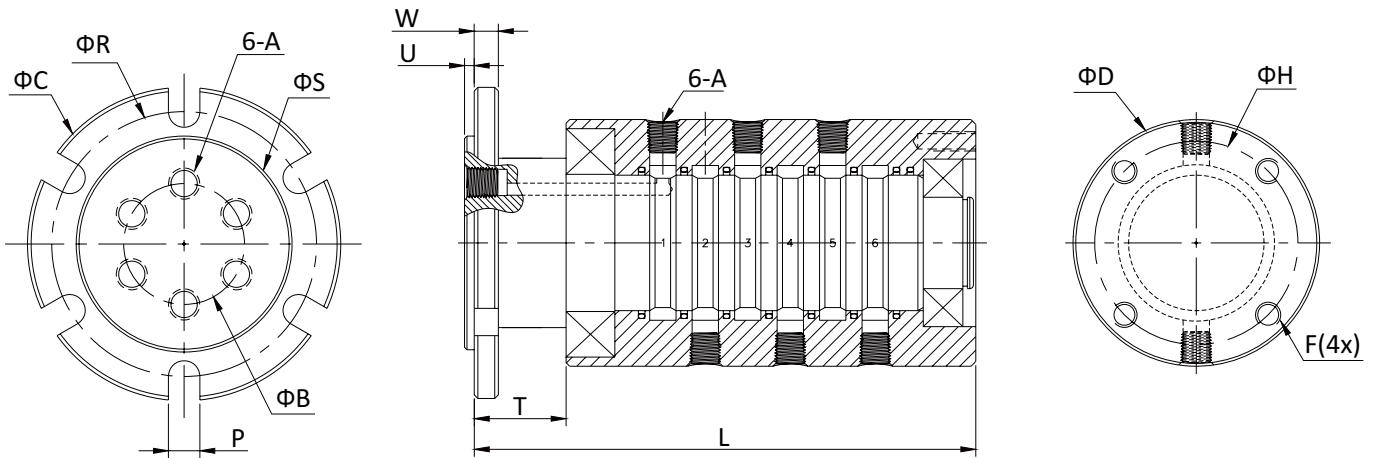
Options

- Mounting Flange / Through Hole
- Connection Size
- Connection Type
- Material
- Pressure
- Media
- Optional Speed
- Combine with electrical slip ring

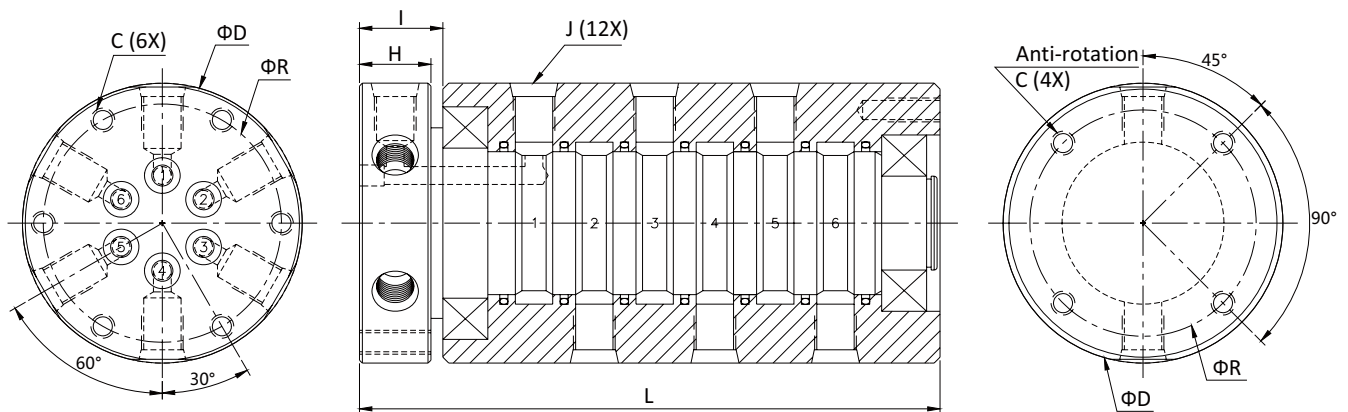
INTRODUCE

MP6-H

MP6-H Series Dimensions



Part#	A(BSPP/NPT)	ΦB	ΦC	ΦD	ΦR	ΦS	U	W	T	P	F	ΦH	L
MP-601-H	1/8"	41.5	84.5	69.5	74	62.5	3	6	24	6.5	M6	59	178.2
MP-602-H	1/4"	45	89.5	73.5	79	68	3	6	24	6.5	M6	63	192
MP-603-H	3/8"	51	99.5	84	89	77.5	3	6	24	6.5	M6	73.5	212.4
MP-604-H	1/2"	67.5	129.5	98.5	116.5	100	3	8	32	9	M8	85.5	263.4
MP-605-H	3/4"	83.5	149.5	118.5	136.5	121	4	9	32	9	M8	105.5	299.5



Part#	J(BSPP/NPT)	ΦR	C	ΦD	H	I	L
AP-601-H	1/8"	59	M6	69.5	19.5	20	179.2
AP-602-H	1/4"	59	M6	69.5	22.5	23	189.4
AP-603-H	3/8"	64	M6	74.5	28.5	29	223
AP-604-H	1/2"	87	M8	99.5	33.5	34	266
AP-605-H	3/4"	102	M8	114.5	42.5	43	305
AP-606-H	1"	125	M10	139.5	56.5	57	365

MP8-H Series Overview

Description

Cosmau MP8-H series multiple passage rotary unions with 8 channel for media transfer, design for oil, water and coolant in rotating system.

- Transmit hydraulic oil, water and coolant when 360°unrestricted rotation
- Combined with electrical slip ring,transfer power,control signal, data
- Through hole or flange structure optional
- Available all kinds of custom solutions

**Specifications**

Item	
Pneumatic Channel	8
Pressure	Max. 350bar
Connection Szie	1/8" 1/4", 3/8", 1/2", 3/4", 1"
Connection Type	BSPP
Operating Temperature	-18° C to 150° C
Suitable Media	Oil / Water / Coolant
Speed	Max. 200 RPM
Material	AL alloy housing, Carbon Steel / Stainless Steel Shaft

Note: All values listed under Technical Specifications are dependent on a combination of all application parameters. Please note service life is dependent upon both rotational speed and duty cycle.

Options

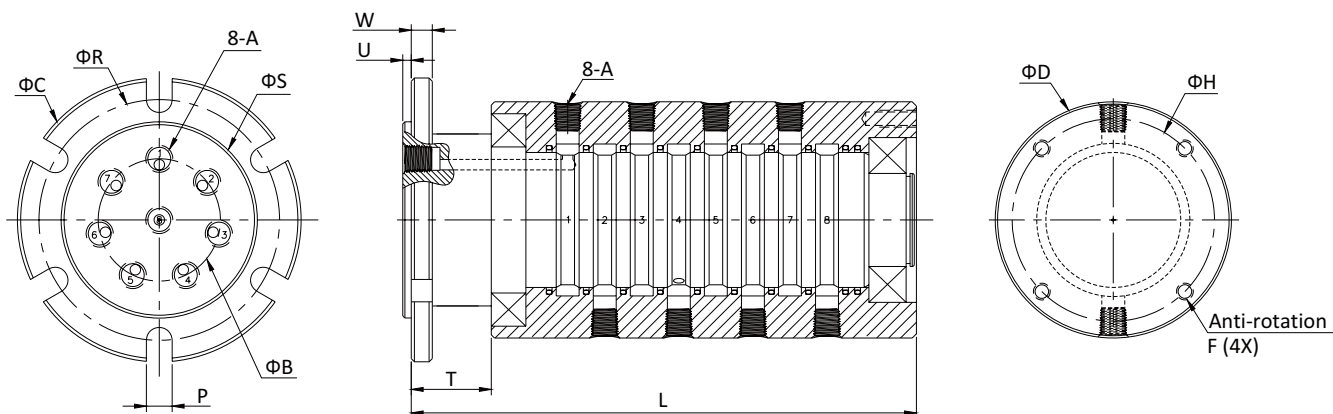
- Mounting Flange / Through Hole
- Connection Size
- Connection Type
- Material
- Pressure
- Media
- Optional Speed
- Combine with electrical slip ring

INTRODUCE

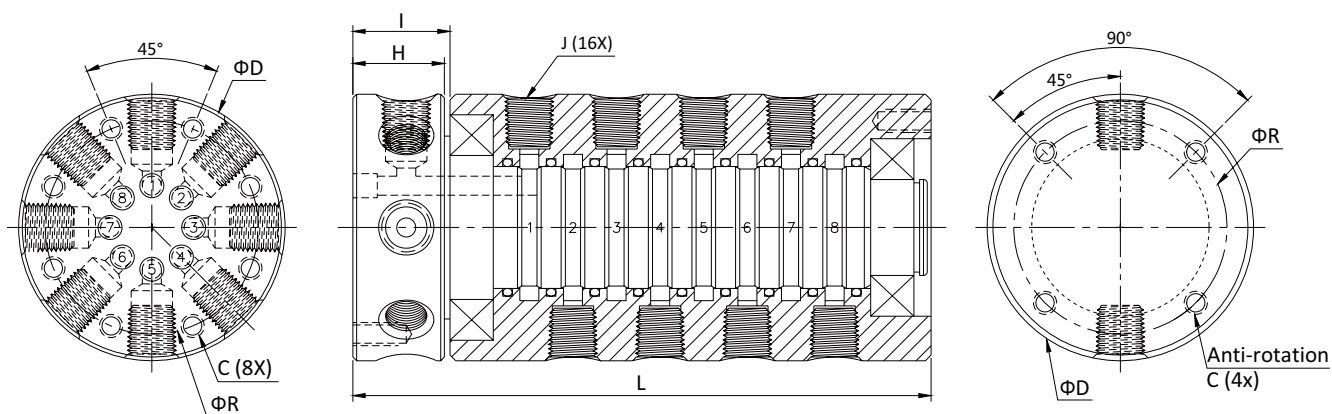
MP8-H

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MP8-H Series Dimensions



Part#	A(BSPP/NPT)	ΦB	ΦC	ΦD	ΦR	ΦS	U	W	T	P	F	ΦH	L
MP-801-H	1/8"	53	94.5	74.5	84	72.5	3	6	24	6.5	M6	64	211.4
MP-802-H	1/4"	58	104	79	93.5	81	3	6	24	6.5	M6	68.5	229.4
MP-803-H	3/8"	67	114.5	98.5	104	93	3	6	24	6.5	M6	88	267.6
MP-804-H	1/2"	81	139.5	109	126.5	112.5	3	8	32	9	M8	96	320.6
MP-805-H	3/4"	100	164.5	133.5	151.5	121	4	9	32	9	M8	120.5	361.6



Part#	J(BSPP/NPT)	ΦR	C	ΦD	H	I	L
AP-801-H	1/8"	64	M6	74.5	19.5	20	214.8
AP-802-H	1/4"	64	M6	74.5	22.5	23	228.4
AP-803-H	3/8"	79	M6	89.5	28.5	29	278.4
AP-804-H	1/2"	97	M8	109.5	33.5	34	320.5
AP-805-H	3/4"	117	M8	129.5	42.5	43	368.4
AP-806-H	1"	135	M10	149.5	56.5	57	443.5

AP10-H Series Overview

Description

Cosmau AP10-H series multiple passage rotary unions with 10 channel for media transfer, design for oil, water and coolant in rotating system.

- Transmit hydraulic oil, water and coolant when 360°unrestricted rotation
- Combined with electrical slip ring,transfer power,control signal, data
- Through hole or flange structure optional
- Available all kinds of custom solutions

**Specifications**

Item	
Pneumatic Channel	10
Pressure	Max. 350bar
Connection Szie	1/8" 1/4", 3/8", 1/2", 3/4", 1"
Connection Type	BSPP
Operating Temperature	-18° C to 150° C
Suitable Media	Oil / Water / Coolant
Speed	Max. 200 RPM
Material	AL alloy housing, Carbon Steel / Stainless Steel Shaft

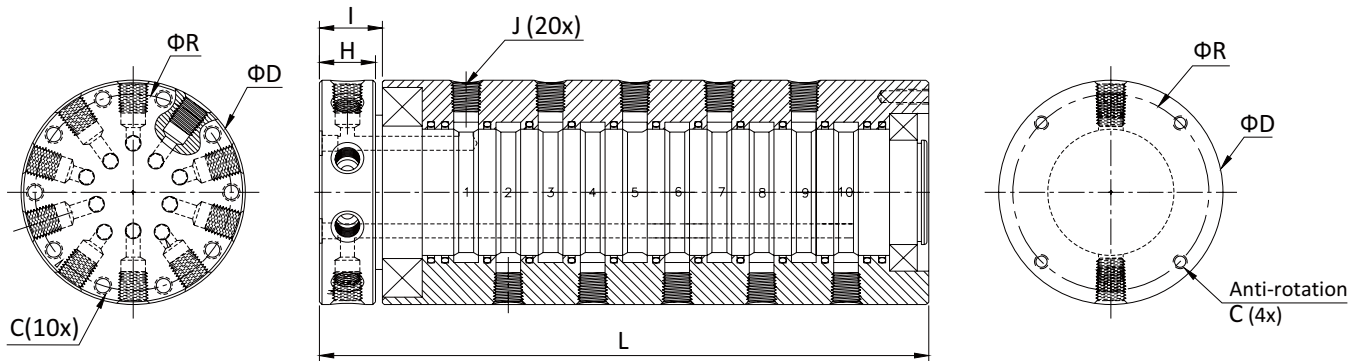
Note: All values listed under Technical Specifications are dependent on a combination of all application parameters. Please note service life is dependent upon both rotational speed and duty cycle.

Options

- Mounting Flange / Through Hole
- Connection Size
- Connection Type
- Material
- Pressure
- Media
- Optional Speed
- Combine with electrical slip ring

INTRODUCE**AP10-H**

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AP10-H Series Dimensions

Part#	J(BSPP/NPT)	ΦR	C	ΦD	H	I	L
AP-1001-H	1/8"	69	M6	79.5	22.5	23	243.8
AP-1002-H	1/4"	74	M6	84	26.5	27	270.3
AP-1003-H	3/8"	84	M6	94.5	30.5	31	330.2
AP-1004-H	1/2"	102	M8	114.5	34.5	35	375.5
AP-1005-H	3/4"	127	M8	139.5	42.5	43	428.8
AP-1006-H	1"	149.5	M10	164.5	56.5	57	526.8

AP12-H Series Overview

Description

Cosmau AP12-H series multiple passage rotary unions with 12 channel for media transfer, design for oil, water and coolant in rotating system.

- Transmit hydraulic oil, water and coolant when 360°unrestricted rotation
- Combined with electrical slip ring,transfer power,control signal, data
- Through hole or flange structure optional
- Available all kinds of custom solutions



Specifications

Item	
Pneumatic Channel	12
Pressure	Max. 350bar
Connection Size	1/8" 1/4", 3/8", 1/2", 3/4", 1"
Connection Type	BSPP
Operating Temperature	-18° C to 150° C
Suitable Media	Oil / Water / Coolant
Speed	Max. 200 RPM
Material	AL alloy housing, Carbon Steel / Stainless Steel Shaft

Note: All values listed under Technical Specifications are dependent on a combination of all application parameters. Please note service life is dependent upon both rotational speed and duty cycle.

Options

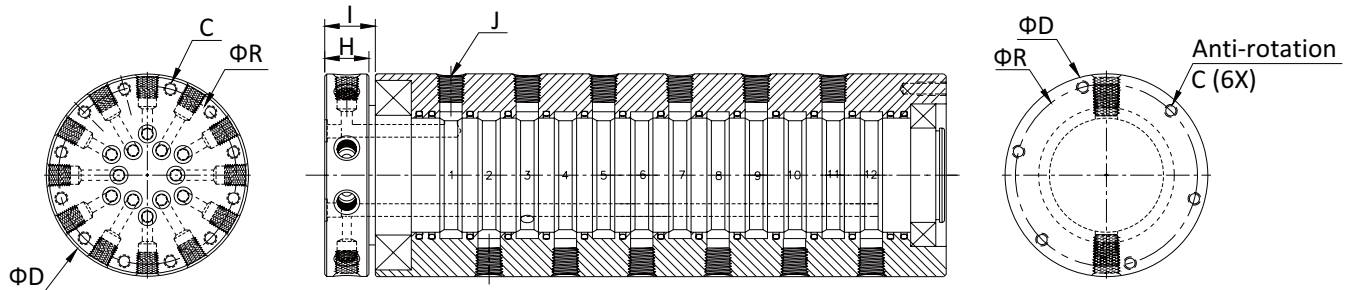
- Mounting Flange / Through Hole
- Connection Size
- Connection Type
- Material
- Pressure
- Media
- Optional Speed
- Combine with electrical slip ring

INTRODUCE

AP12-H

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AP12-H Series Dimensions



Part#	J(BSPP/NPT)	ΦR	C	ΦD	H	I	L
AP-1201-H	1/8"	69	M6	79.5	24.5	25	278.2
AP-1202-H	1/4"	79	M6	89.5	29.5	30	328.2
AP-1203-H	3/8"	93	M6	104.5	32.5	33	378.9
AP-1204-H	1/2"	116	M8	129	35.5	36	429.2
AP-1205-H	3/4"	136	M8	149	42.5	43	494.2
AP-1206-H	1"	169	M10	184.5	56.5	57	612.5