

Section 17 Rotoflux Rotary Unions

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Simple in design, competitively priced and suitable for many applications.

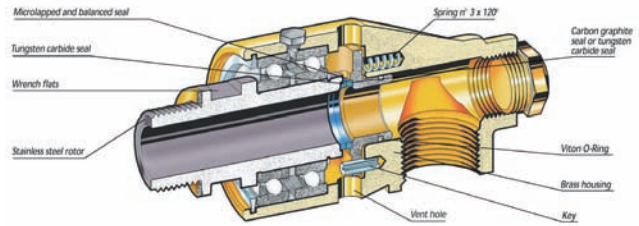
Specifications




	<u>Max. Pressure</u>	<u>Max. Temp.</u>
Water:	750PSI	350°F
Steam Pressure:	120PSI	330°F
Hot Oil:	100PSI	395°F

	<u>Max. Rotation Speed</u>
1/4"-3/4":	3,500 RPM
1":	3,000 RPM

Materials

Housing Material: Brass
 Internal Body: Stainless Steel
 Standard Seals: Carbon Graphite to Tungsten Carbide



ROTOFLUX UNIONS		SINGLE PASSAGE UNIONS			
	PART NO.	ROTOR CONNECTION	LENGTH	HEX A/F	PRICE
	<i>Right Hand Thread</i>				
	RS0830001R	1/4" BSP	88	17	£71.00
	RS1030001R	3/8" BSP	107	17	£76.40
	RS1530001R	1/2" BSP	120	24	£99.00
	RS2030001R	3/4" BSP	138	30	£123.75
	RS2530001R	1" BSP	163	36	£156.50
	<i>Left Hand Thread</i>				
	RS0830002L	1/4" BSP	88	17	£71.00
	RS1030002L	3/8" BSP	107	17	£76.40
	RS1530002L	1/2" BSP	120	24	£99.00
RS2030002L	3/4" BSP	138	30	£123.75	
RS2530002L	1" BSP	163	36	£156.50	
DOUBLE PASSAGE STATIONARY SIPHON					
	<i>Right Hand Thread</i>				
	RS103001R80	3/8" BSP	130	17	£85.55
	RS153001R80	1/2" BSP	146	24	£109.20
	RS203001R80	3/4" BSP	170	30	£132.90
	RS253001R80	1" BSP	198	36	£165.65
	<i>Left Hand Thread</i>				
	RS103002L80	3/8" BSP	130	17	£85.55
	RS153002L80	1/2" BSP	146	24	£109.20
	RS203002L80	3/4" BSP	170	30	£132.90
	RS253002L80	1" BSP	198	36	£165.65
DOUBLE PASSAGE ROTATING SIPHON					
	<i>Right Hand Thread</i>				
	RS103001R81	3/8" BSP	130	17	£85.55
	RS153001R81	1/2" BSP	146	24	£109.20
	RS203001R81	3/4" BSP	170	30	£132.90
	RS253001R81	1" BSP	198	36	£165.65
	<i>Left Hand Thread</i>				
	RS103002L81	3/8" BSP	130	17	£85.55
	RS153002L81	1/2" BSP	146	24	£109.20
	RS203002L81	3/4" BSP	170	30	£132.90
	RS253002L81	1" BSP	198	36	£165.65
Other sizes available on request Flanged and Heavy Duty Unions also available Contact distributor for further information					

Rotary Unions



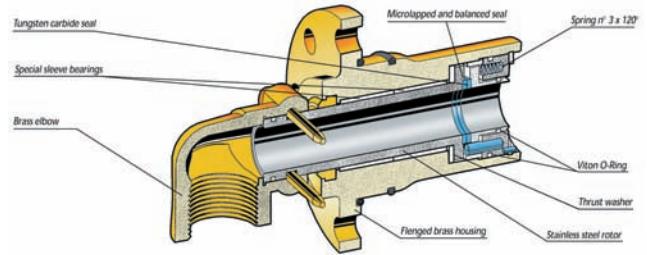
Rotary unions specifically designed for continuous casting applications.

Specifications

Max Pressure: 150PSI
 Max Temperature: 250°F
 Max Rotation Speed: 100 RPM

Materials

Housing Material: Brass
 Internal Body: Stainless Steel
 Seals: Tungsten Carbide



ROTOFLUX UNIONS		SINGLE PASSAGE UNIONS		
PART NO.	PIPE CONNECTION	LENGTH	PRICE	
RZ2030160Z	3/4" BSP	130.0	POA	
RZ2030150Z	3/4" NPT	130.0	POA	
RZ2530160Z	1" BSP	149.0	POA	
RZ2530150Z	1" NPT	149.0	POA	
RZ4030160Z	1.1/2" BSP	176.5	POA	
RZ4030150Z	1.1/2" NPT	176.5	POA	
DOUBLE PASSAGE UNIONS				
RZ253061Z80	3/4" BSP	213.0	POA	
RZ253051Z80	3/4" NPT	213.0	POA	
RZ403061Z80	1" BSP	243.5	POA	
RZ403051Z80	1" NPT	243.5	POA	



UNIONS FOR AIR, VACUUM AND HYDRAULIC OIL

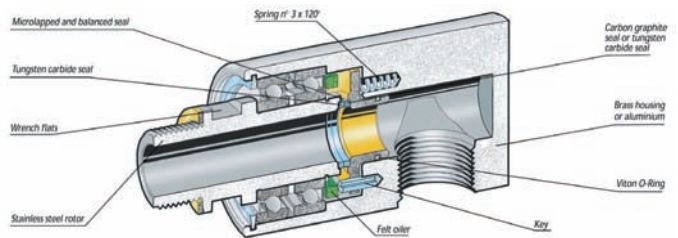
Simple in design, competitively priced and suitable for many applications.

Specifications

	<u>Max. Pressure</u>	<u>Max. Temp.</u>	<u>Max. Vacuum</u>
Air:	150PSI	250°F	28" Hg
Oil:	750PSI	250°F	
	<u>Max. Rotation Speed</u>		
1/8"-3/4":	3,500 RPM	1":	3,000 RPM

Materials

Housing Material: Brass or Aluminium
 Internal Body: Stainless Steel
 Standard Seals: Carbon Graphite to Tungsten Carbide



Rotary Unions

ROTOFLUX UNIONS		SINGLE PASSAGE UNIONS			
PART NO.	PIPE CONNECTION	LENGTH	HEX A/F	PRICE	
<i>Right Hand Thread</i>					
RT0630201R	1/4" BSP	73	15	£60.10	
RT0830201R	1/4" BSP	88	17	£71.00	
RT1030201R	3/8" BSP	107	17	£76.50	
RT1530201R	1/2" BSP	120	24	£100.00	
RT2030201R	3/4" BSP	138	30	£124.00	
RT2530201R	1" BSP	163	36	£156.50	
<i>Left Hand Thread</i>					
RT0630202L	1/4" BSP	73	15	£60.10	
RT0830202L	1/4" BSP	88	17	£71.00	
RT1030202L	3/8" BSP	107	17	£76.50	
RT1530202L	1/2" BSP	120	24	£100.00	
RT2030202L	3/4" BSP	138	30	£124.00	
RT2530202L	1" BSP	163	36	£156.50	



Other sizes available on request

Flanged and Heavy Duty Unions also available - Contact distributor for further information



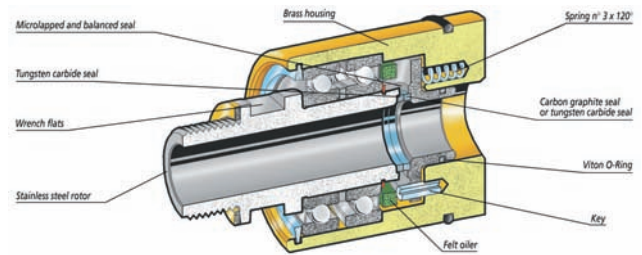
Simple in design, competitively priced and suitable for many applications.

Specifications

	Max. Pressure	Max. Temp.	Max. Vacuum
Air:	150PSI	250°F	28" Hg
Oil:	750PSI	250°F	
Water:	750PSI	250°F	
Max. Rotation Speed:	1/8" - 3/4"	3,500 RPM	
	1"	3,000 RPM	

Materials

Housing Material: Brass
 Internal Body: Stainless Steel
 Standard Seals: Carbon Graphite to Tungsten Carbide



ROTOFLUX UNIONS IN THE SHAFT MOUNTING UNIONS



PART NO.	ROTOR CONNECTION	LENGTH	HEX A/F	PRICE
<i>Right Hand Thread</i>				
RV0630201R	1/4" BSP	72	15	£60.10
RV0830201R	1/4" BSP	78	17	£80.10
RV1030201R	3/8" BSP	91	17	£85.55
RV1530201R	1/2" BSP	96	24	£112.85
RV2030201R	3/4" BSP	141	30	£136.50
RV2530201R	1" BSP	159	36	£172.90
<i>Left Hand Thread</i>				
RV0630202L	1/4" BSP	72	15	£60.10
RV0830202L	1/4" BSP	78	17	£80.10
RV1030202L	3/8" BSP	91	17	£85.55
RV1530202L	1/2" BSP	96	24	£112.85
RV2030202L	3/4" BSP	141	30	£136.50
RV2530202L	1" BSP	159	36	£172.90

Other sizes available on request

STAINLESS STEEL UNIONS

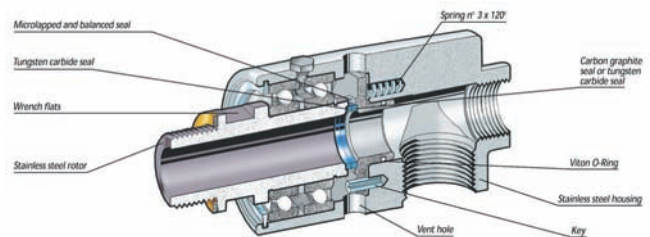
Stainless steel unions are suitable for chemical, pharmaceutical and food industries.

Specifications

Max Pressure:	750PSI
Max Temperature:	300°F
Max. Rotation Speed:	1/4" - 3/4" 3,500 RPM
	1" 3,000 RPM

Materials

Housing Material: Stainless Steel
 Internal Body: Stainless Steel
 Standard Seals: Carbon Graphite to Tungsten Carbide



ROTOFLUX UNIONS SINGLE PASSAGE UNIONS



PART NO.	ROTOR CONNECTION	LENGTH	HEX A/F	PRICE
<i>Right Hand Thread</i>				
RF0830001R	1/4" BSP	88	17	£136.50
RF1030001R	3/8" BSP	103	17	£145.60
RF1530001R	1/2" BSP	115	24	£174.75
RF2030001R	3/4" BSP	136	30	£214.80
RF2530001R	1" BSP	169	36	£318.50
<i>Left Hand Thread</i>				
RF0830002L	1/4" BSP	88	17	£136.50
RF1030002L	3/8" BSP	103	17	£145.60
RF1530002L	1/2" BSP	115	24	£174.75
RF2030002L	3/4" BSP	136	30	£214.80
RF2530002L	1" BSP	169	36	£318.50

Other sizes available on request

Flanged and Heavy Duty Unions also available - Contact distributor for further information



These unions, are used for the passage of coolant through machine tool spindles rotating at high speeds.

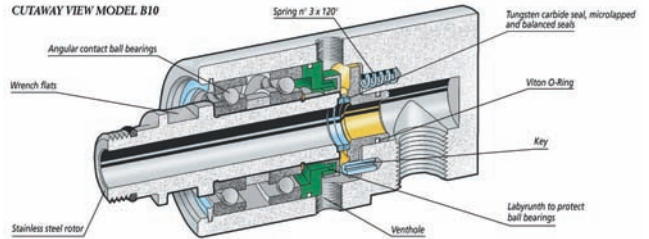
Specifications



	Model A08	Model A10
Max. Pressure:	1450PSI	600PSI
Max. Temperature:	250°F	250°F
Max. Rotation Speed:	15,000 RPM	10,000 RPM

	Model B08	Model B10
Max. Pressure:	1450PSI	1000PSI
Max. Temperature:	250°F	250°F
Max. Rotation Speed:	20,000 RPM	20,000 RPM

Materials

Housing Material: Aluminium
 Internal Body: Stainless Steel
 Standard Seals: Tungsten Carbide



ROTOFLUX UNIONS		STRAIGHT THROUGH UNIONS			
	PART NO.	ROTOR CONNECTION	LENGTH	HEX A/F	PRICE
	<i>Right Hand Thread</i>				
	RA0830204R	M16 x 1.5 PT18	108	17	£182.00
	RA1030204R	M16 x 1.5 PT18	110	17	£112.85
	RB0830204R	M16 x 1.5 PT18	108	17	£273.00
	RB1030204R	M16 x 1.5 PT18	110	17	£273.00
	<i>Left Hand Thread</i>				
	RA0830205L	M16 x 1.5 PT18	108	17	£182.00
	RA1030205L	M16 x 1.5 PT18	110	17	£112.85
RB0830205L	M16 x 1.5 PT18	108	17	£273.00	
RB1030205L	M16 x 1.5 PT18	110	17	£273.00	
90° UNIONS					
	<i>Right Hand Thread</i>				
	RA0830104R	M16 x 1.5 PT18	91	17	£182.00
	RA1030104R	M16 x 1.5 PT18	110	17	£112.85
	RB0830104R	M16 x 1.5 PT18	91	17	£273.00
	RB1030104R	M16 x 1.5 PT18	110	17	£273.00
	<i>Left Hand Thread</i>				
	RA0830105L	M16 x 1.5 PT18	91	17	£182.00
	RA1030105L	M16 x 1.5 PT18	110	17	£112.85
RB0830105L	M16 x 1.5 PT18	91	17	£273.00	
RB1030105L	M16 x 1.5 PT18	110	17	£273.00	

Rotary Unions

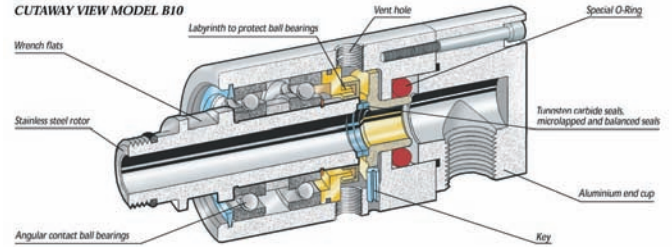


These special rotary unions allow the flow of the coolant through the spindles of machine tools and they are also able to run dry at high speed.

Specifications



	Model A08	Model A10
Max. Pressure:	1450PSI	600PSI
Max. Temperature:	250°F	250°F
Max. Rotation Speed:	15,000 RPM	10,000 RPM

	Model B08	Model B10
Max. Pressure:	1450PSI	1000PSI
Max. Temperature:	250°F	250°F
Max. Rotation Speed:	20,000 RPM	20,000 RPM



Materials

Housing Material: Stainless Steel
 Internal Body: Stainless Steel
 Standard Seals: Tungsten Carbide

ROTOFLUX UNIONS		STRAIGHT THROUGH UNIONS			
	PART NO.	ROTOR CONNECTION	LENGTH	HEX A/F	PRICE
	<i>Right Hand Thread</i>				
	RA0850204R	M16 x 1.5 PT18	108	17	£273.00
	RA1070204R	M16 x 1.5 PT18	111	17	£182.00
	RB0850204R	M16 x 1.5 PT18	108	17	£364.00
	RB1070204R	M16 x 1.5 PT18	111	17	£382.20
	<i>Left Hand Thread</i>				
	RA0850205L	M16 x 1.5 PT18	108	17	£273.00
	RA1070205L	M16 x 1.5 PT18	111	17	£182.00
RB0850205L	M16 x 1.5 PT18	108	17	£364.00	
RB1070205L	M16 x 1.5 PT18	111	17	£382.20	
90° UNIONS					
	<i>Right Hand Thread</i>				
	RA0850104R	M16 x 1.5 PT18	91	17	£273.00
	RA1070104R	M16 x 1.5 PT18	119	17	£182.00
	RB0850104R	M16 x 1.5 PT18	91	17	£364.00
	RB1070104R	M16 x 1.5 PT18	119	17	£382.20
	<i>Left Hand Thread</i>				
	RA0850105L	M16 x 1.5 PT18	91	17	£273.00
	RA1070105L	M16 x 1.5 PT18	119	17	£182.00
RB0850105L	M16 x 1.5 PT18	91	17	£364.00	
RB1070105L	M16 x 1.5 PT18	119	17	£382.20	

Rotary Unions



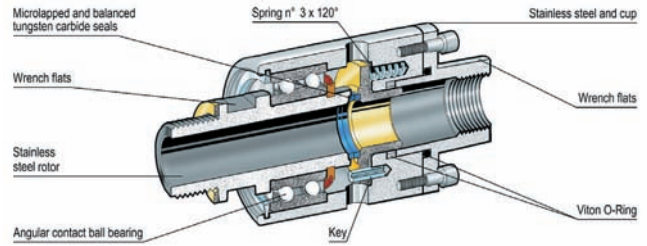
These unions are for use in high pressure and high speed fluid applications.


Specifications

Max Pressure: 5700PSI
 Max Temperature: 250°F
 Max Rotation Speed: 1,500 RPM

Materials

Housing Material: Stainless Steel
 Internal Body: Stainless Steel
 Seals: Tungsten Carbide



ROTOFLUX UNIONS		STRAIGHT THROUGH UNIONS				
	PART NO.	ROTOR CONNECTION	LENGTH	HEX A/F	PRICE	
			<i>Right Hand Thread</i>			
		RC0830101R	1/4" BSP	99	17 / 27	£163.80
		RC1030101R	3/8" BSP	99	22 / 27	£172.90
	RC1530101R	1/2" BSP	106	24 / 27	£182.00	

UNIONS FOR HIGH PRESSURE & LOW SPEED APPLICATIONS

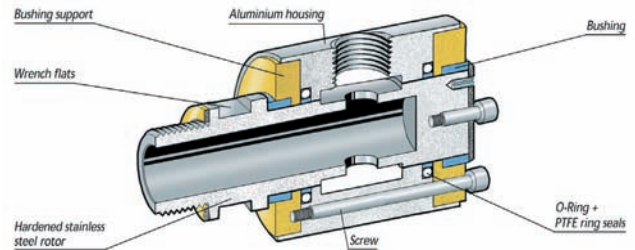
These unions are for use in high pressure and low speed fluid applications.


Specifications

	Max. Pressure	Max. Temp.	Max. Rotation	Max. Vacuum
Air:	150PSI	250°F	250 RPM	28" Hg
Water:	150PSI	250°F	250 RPM	
Oil:	850PSI	250°F	250 RPM	
Oil:	3600PSI	250°F	10 RPM	

Materials

Housing Material: Aluminium
 Internal Body: Stainless Steel
 Seals: PTFE & 'O' Ring



ROTOFLUX UNIONS		STRAIGHT THROUGH UNIONS				
	PART NO.	ROTOR CONNECTION	LENGTH	HEX A/F	PRICE	
			<i>Right Hand Thread</i>			
		RM11000001R	3/8" BSP	86	22	£100.10
		RM11500001R	1/2" BSP	86	22	£138.35



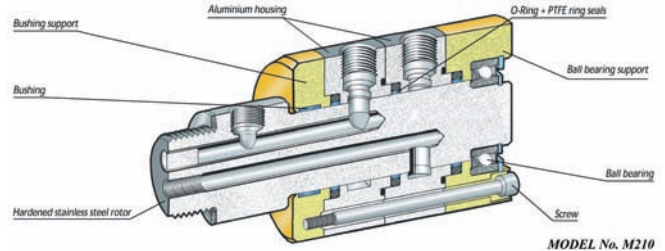
These unions are designed to operate winding / unwinding reels and revolving tables, where high fluid pressure and low rotation speed are needed.

Specifications

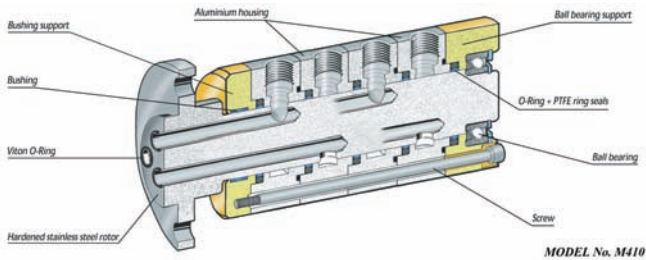
	Max. Pressure	Max. Temp.	Max. Rotation	Max. Vacuum
Air:	150PSI	250°F	250 RPM	28" Hg
Water:	150PSI	250°F	250 RPM	
Oil:	850PSI	250°F	250 RPM	
Oil:	3600PSI	250°F	10 RPM	

Materials

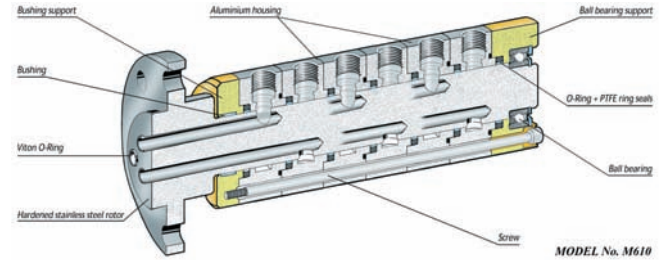
Housing Material: Aluminium & Brass
 Internal Body: Stainless Steel
 Seals: PTFE & 'O' Ring



MODEL No. M210



MODEL No. M410



MODEL No. M610

ROTOFLUX UNIONS DOUBLE PASSAGE UNIONS - RIGHT ROTATION

PART NO.	ROTOR CONNECTION	LENGTH	HEX A/F	PRICE
RM21000001R	<i>Rotor with one straight through and one 90° passage</i> 1" BSP	169	48	£345.80
RM21000201R	<i>Rotor with two 90° passages</i> 1" BSP	169	48	£345.80
RM21000301R	<i>Rotor with two straight through passages</i> 1" BSP	169	48	£345.80

FLANGED FOUR PASSAGE UNIONS

RM41000003F	<i>Pipe Connection</i> 3/8" BSP	200	-	£655.20
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FLANGED SIX PASSAGE UNIONS

RM61000003F	<i>Pipe Connection</i> 3/8" BSP	258	-	£728.00
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Rotary Unions

