

Section 7

Rotary Unions

Page No

Universal Rotary NEW	208
Continuous Casting NEW	209
Air, Vacuum and Hydraulic Oil NEW	209
Shaft Mounting NEW	210
Stainless Steel NEW	210
High Speed NEW	211
High Speed & Dry Running NEW	212
High Pressure & High Speed NEW	213
2, 4, 6 Passage High Pressure & Low Speed NEW	214

Section 7



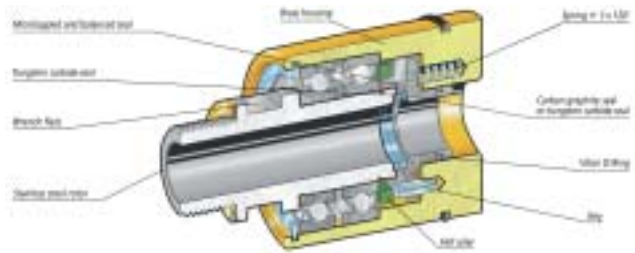
Simple in design, competitively priced and suitable for many applications.

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 for in the Shaft Mounting / Stainless Steel Unions



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	£57.75	
RV0830201R	1/4" BSP	78	17	£77.00	
RV1030201R	3/8" BSP	91	17	£82.25	
RV1530201R	1/2" BSP	96	24	£108.50	
RV2030201R	3/4" BSP	141	30	£131.25	
RV2530201R	1" BSP	159	36	£166.25	
<i>Left Hand Thread</i>					
RV0630202L	1/4" BSP	72	15	£57.75	
RV0830202L	1/4" BSP	78	17	£77.00	
RV1030202L	3/8" BSP	91	17	£82.25	
RV1530202L	1/2" BSP	96	24	£108.50	
RV2030202L	3/4" BSP	141	30	£131.25	
RV2530202L	1" BSP	159	36	£166.25	

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	£131.25	
RF1030001R	3/8" BSP	103	17	£140.00	
RF1530001R	1/2" BSP	115	24	£168.00	
RF2030001R	3/4" BSP	136	30	£206.50	
RF2530001R	1" BSP	169	36	£306.25	
<i>Left Hand Thread</i>					
RF0830002L	1/4" BSP	88	17	£131.25	
RF1030002L	3/8" BSP	103	17	£140.00	
RF1530002L	1/2" BSP	115	24	£168.00	
RF2030002L	3/4" BSP	136	30	£206.50	
RF2530002L	1" BSP	169	36	£306.25	

Other sizes available on request

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

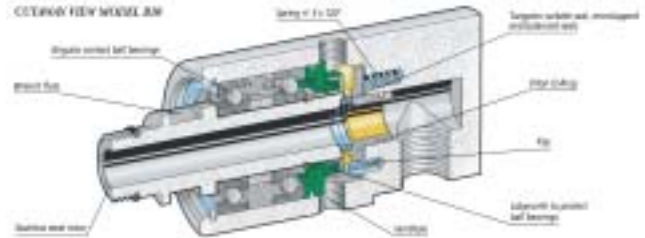


These unions, are used for the passage of coolant through machine tool spindles rotating at high speeds.

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	£175.00
RA1030204R	M16 x 1.5 PT18	110	17	£108.50
RB0830204R	M16 x 1.5 PT18	108	17	£262.50
RB1030204R	M16 x 1.5 PT18	110	17	£262.50
<i>Left Hand Thread</i>				
RA0830205L	M16 x 1.5 PT18	108	17	£175.00
RA1030205L	M16 x 1.5 PT18	110	17	£108.50
RB0830205L	M16 x 1.5 PT18	108	17	£262.50
RB1030205L	M16 x 1.5 PT18	110	17	£262.50

90° UNIONS



<i>Right Hand Thread</i>				
RA0830104R	M16 x 1.5 PT18	91	17	£175.00
RA1030104R	M16 x 1.5 PT18	110	17	£108.50
RB0830104R	M16 x 1.5 PT18	91	17	£262.50
RB1030104R	M16 x 1.5 PT18	110	17	£262.50
<i>Left Hand Thread</i>				
RA0830105L	M16 x 1.5 PT18	91	17	£175.00
RA1030105L	M16 x 1.5 PT18	110	17	£108.50
RB0830105L	M16 x 1.5 PT18	91	17	£262.50
RB1030105L	M16 x 1.5 PT18	110	17	£262.50

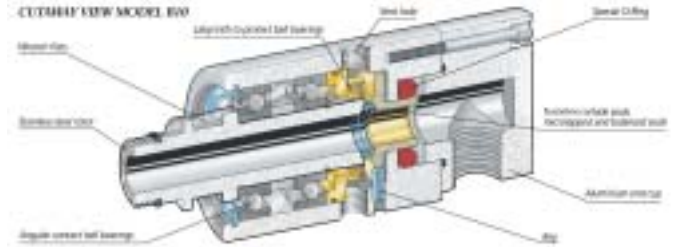


These special rotary unions allow the flow of the coolant through the spindles of machine tools and they are also able to run dry at high speed.

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	£262.50
RA1070204R	M16 x 1.5 PT18	111	17	£175.00
RB0850204R	M16 x 1.5 PT18	108	17	£350.00
RB1070204R	M16 x 1.5 PT18	111	17	£367.50
<i>Left Hand Thread</i>				
RA0850205L	M16 x 1.5 PT18	108	17	£262.50
RA1070205L	M16 x 1.5 PT18	111	17	£175.00
RB0850205L	M16 x 1.5 PT18	108	17	£350.00
RB1070205L	M16 x 1.5 PT18	111	17	£367.50

90° UNIONS

<i>Right Hand Thread</i>				
RA0850104R	M16 x 1.5 PT18	91	17	£262.50
RA1070104R	M16 x 1.5 PT18	119	17	£175.00
RB0850104R	M16 x 1.5 PT18	91	17	£350.00
RB1070104R	M16 x 1.5 PT18	119	17	£367.50
<i>Left Hand Thread</i>				
RA0850105L	M16 x 1.5 PT18	91	17	£262.50
RA1070105L	M16 x 1.5 PT18	119	17	£175.00
RB0850105L	M16 x 1.5 PT18	91	17	£350.00
RB1070105L	M16 x 1.5 PT18	119	17	£367.50



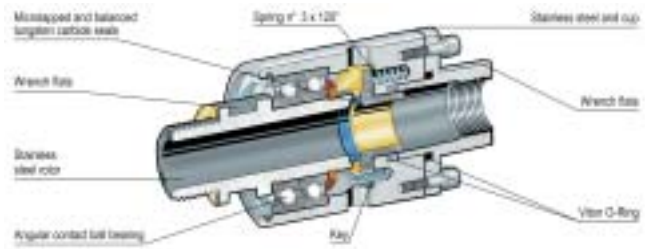
These unions are for use in high pressure and high speed fluid applications.

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	£157.50
RC1030101R	3/8" BSP	99	22 / 27	£166.25
RC1530101R	1/2" BSP	106	24 / 27	£175.00

UNIONS FOR HIGH PRESSURE & LOW SPEED APPLICATIONS

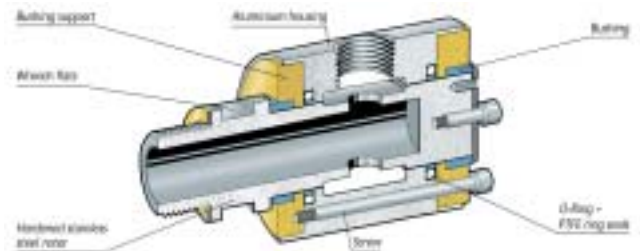
These unions are for use in high pressure and low speed fluid applications.

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	£96.25
RM11500001R	1/2" BSP	86	22	£133.00



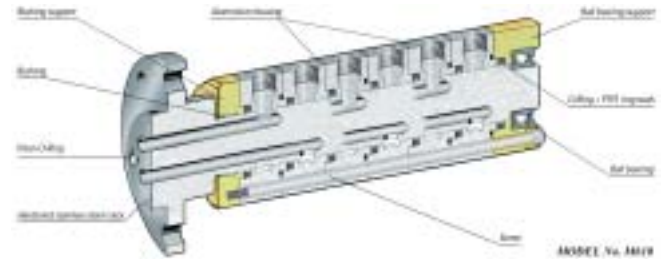
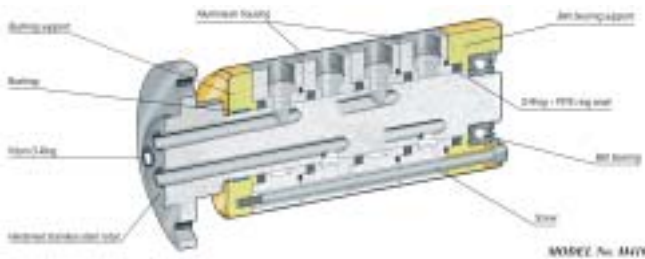
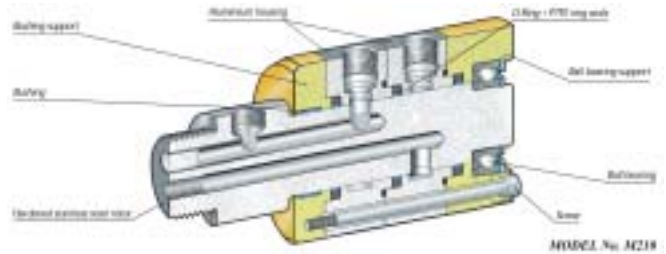
These unions are designed to operate winding / unwinding reels and revolving tables, where high fluid pressure and low rotation speed are needed.

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




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	£332.50
	RM21000201R	<i>Rotor with two 90° passages</i> 1" BSP	169	48	£332.50
	RM21000301R	<i>Rotor with two straight through passages</i> 1" BSP	169	48	£332.50

FLANGED FOUR PASSAGE UNIONS

	RM41000003F	<i>Pipe Connection</i> 3/8" BSP	200	-	£630.00

FLANGED SIX PASSAGE UNIONS

	RM61000003F	<i>Pipe Connection</i> 3/8" BSP	258	-	£700.00