Series FRS, FRX, FRZ

Dimensional Data

RINGSPANN CORPORATION manufactures a complete line of freewheel clutches. All clutches are held to the strictest of tolerances and comform to US machining standards.

Series FRS, FRX, and FRZ are designed and manufactured to provide quality freewheels that can be inventoried and made readily availble to suit the customer's requirements.

RINGSPANN "Know How" enables RINGSPANN CORPORATION to provide the market with a clutch to suit your application.

The FR Series Freewheels are completely enclosed units that contain ball bearings and seals. Each of these units can be adapted to mate with pulleys, gears, sprockets, and torque arms.

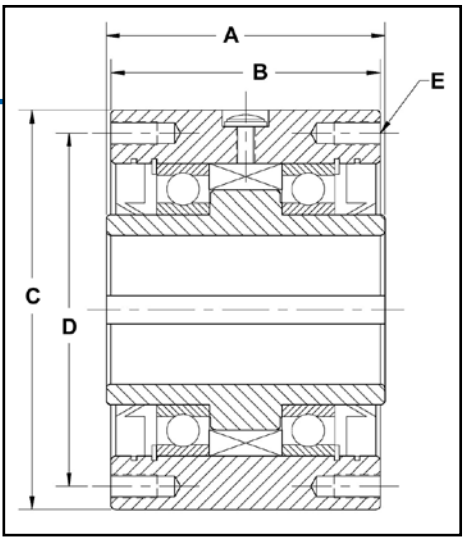

Chart E

DIMENSIONAL DATA

FRS / FRX / FRZ			A	B	C	D		E
SIZE	WEIGHT lbs./kg	MAX BORE IN./mm	LENGTH THROUGH BORE IN./mm	OUTER RACE LENGTH IN./mm	OUTSIDE DIAMETER IN./mm	BOLT CIRCLE IN./mm	STANDARD BORES AND KEYWAY SIZES** Inches	QTY. THREAD & SIZE OF BOLT HOLE IN./mm
300	3.5	0.750	2.500	2.380	3.000/2.998	2.625	0.500—1/8 X 1/16 .625, .750—3/16 X 3/32	(4) .25-28
	1.6	19.05	63.50	60.45	76.20/76.15	66.68		
400	6.0	0.875	2.750	2.687	3.500/3.498	2.875	0.500—1/8 X 1/16 .625, .750, .875—3/16 X 3/32	(4) .312-24
	2.7	22.23	69.85	68.25	88.90/88.85	73.03		
450	6.0	1.125	2.750	2.687	3.500/3.498	2.875	.750, .875—3/16 X 3/32 1.000, 1.125—1/4 X 1/8	
	2.7	28.58	69.85	68.25	88.90/88.85	73.03		
500	10.0	1.312	3.500	3.375	4.250/4.248	3.625	.875—3/16 X 3/32 1.000, 1.125, 1.250—1/4 X 1/8 1.312—1/4 X 3/32	
	4.5	33.34	88.90	85.73	107.95/107.90	92.08		
550	12.0	1.625	3.250	3.125	4.750/4.748	4.250	1.25—1/4 X 1/8 1.312, 1.500—3/8 X 3/16 1.625—3/8 X 1/8	(6) .312-24
	5.4	41.28	82.55	79.38	120.65/120.60	107.95		
600	19.0	2.000	3.750	3.625	5.375/5.373	4.750	1.25—1/4 X 1/8 1.375, 1.438. 1.500—3/8 X 3/16 1.625, 1.688, 1.750—3/8 X 3/16 1.938, 2.000—3/8 X 1/8	
	8.6	50.80	95.25	92.08	136.52/136.47	120.65		
650	24.0	2.500	3.500	3.375	6.500/6.498	5.750	1.938, 2.000, 2.250—1/2 X 1/4 2.438, 2.500—5/8 X 1/8	(8) .375-24
	10.9	63.50	88.90	85.73	165.10/165.05	146.05		
700	42.0	2.938	5.000	4.875	7.125/7.123	6.250	1.938, 2.000, 2.250—1/2 X 1/4 2.438, 2.500—5/8 X 5/16 2.750—5/8 X 7/32 2.938—5/8 X 1/8	(8) .375-24*
	19.0	74.61	127.00	123.83	180.98/180.92	158.75		
750	83.0	3.438	6.000	5.875	8.750/8.748	7.000	2.438, 2.500—5/8 X 5/16 2.938, 3.000—3/4 X 3/8 3.250—3/4 X 3/16 3.438—3/4 X 1/8	(8) .500-20*
	37.6	87.31	152.40	149.23	222.25/222.20	177.8		
775	96	3.75	6.000	5.875	9.750/9.748	8.500	2.750—5/8 X 5/16 2.938, 3.000, 3.250—3/4 X 3/8 3.438, 3.500—7/8 X 5/16 3.750—7/8 X 1/4	(8) .500-20
	43.5	92.250	152.40	149.23	247.65/247.60	215.90		
800	102.0	4.500	6.000	5.875	10.000/9.998	8.937	3.000, 3.250—3/4 X 3/8 3.438, 3.500, 3.750—7/8 X 7/16 3.937, 4.000—1 X 1/2 4.250—1 X 3/8 4.500—1 X 1/4	
	46.2	114.30	152.40	149.23	254.00/253.95	227.00		
900	156.0	5.438	6.375	6.250	12.000/11.998	9.75	4.00, 4.44, 4.50—1 X ½ 4.94, 5.00, 5.44—1 1/4 X 5/16	(10) .625-18
	71.0	138.12	161.92	158.75	304.80/304.75	247.65		
1000	250.0	7.000	6.630	6.500	15.000/14.998	11.750	5.75, 5.94, 6.00—1 ½ X ¾ 6.75, 6.88, 7.00—1 ¾ X 7/16	(12) .625-18
	113.0	177.80	168.30	165.10	381.00/380.95	298.45		

* Six holes are equally spaced 60˚ apart with two additional holes located 30˚ from the six equally spaced holes and 180˚ apart.
• Centerline of the application of force on the outer ring should lie between the two ball bearings; this is particularly important for indexing applications.
**Custom and metric bore available upon request.

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