



Ball nut No.	Shaft dia. <i>d</i>	Lead <i>l</i>	Ball dia. <i>D_b</i>	Ball circle dia. <i>d_m</i>	Root dia. <i>d_r</i>	Effective turns of balls Turns × Circuits	Basic load rating (N)		Axial play Max.	Ball nut dimensions							
							Dynamic <i>C_a</i>	Static <i>C_{0n}</i>		Outside dia. <i>D</i>							
RNFTL 2806A2.5 RNFTL 2806A2.5S RNFTL 2806A5 RNFTL 2806A5S	28	6	3.175	28.5	25.0	2.5×1	7430	20300	0.10	50							
2.5×2						13500	40600										
32						10	6.35	33.75			27.0	2.5×2	35700	92200	0.20	55	
RNFTL 3610A2.5 RNFTL 3610A2.5S RNFTL 3610A5 RNFTL 3610A5S						36	10	6.35			37	30.0	2.5×1	21000	51000	0.20	60
2.5×2	38100	102000															
RNFTL 4010A7 RNFTL 4010A7S	40	10	6.35	41.75	35.0				3.5×2	53500			164000	0.20	65		
RNFTL 4512A5 RNFTL 4512A5S									45	12			7.144				
RNFTL 5010A7 RNFTL 5010A7S	50	10	6.35	51.75	45.0	3.5×2	59500	205000			0.20	80					
RNFTL 5016A5 RNFTL 5016A5S						50	16	9.525	52	42.0			2.5×2	99900	293000	0.23	85

Remarks 1. The protruding portion of the tube does not interfere with nut housing if its corresponding dimensions to U and V are large enough.
 2. The actual screw shaft length may become slightly longer than nominal length of L_s due to manufacturing tolerance.
 3. Seal are provided in the nut. Therefore, the external dimensions of those with the seals are the same as those without.
 In the side view drawing of the nut, the above of the center line is with seal, and beneath is without seal.
 Seal is "Brush-seal".

Ball nut dimensions											Nut Mass. (kg)	Arbor		Screw shaft				Shaft mass/m (kg)	
Flange		Length		Bolt hole		Oil hole		Projecting tube				Outside dia. <i>d_o</i>	Bore <i>d</i>	Standard length			Screw shaft No.		
<i>A</i>	<i>G</i>	<i>B</i>	<i>L_n</i>	<i>W</i>	<i>X</i>	<i>Q</i>	<i>T</i>	<i>U</i>	<i>V</i>	<i>R</i>				<i>L_s</i>					
79	33	15	55	65	6.6	M6×1	7.5	33	34	10	0.85	25.0	22.6					RS2806A**	4.47
79	33	15	79	65	6.6	M6×1	7.5	33	34	10	1.07								
97	39	18	97	75	11	M6×1	9.0	39	42	17	1.55	27.0	24.6	1000	2000	3000		RS3210A**	5.53
102	42	18	68	80	11	M6×1	9.0	42	46	17	1.47	30.0	27.6	1000	2000	3000		RS3610A**	6.91
102	42	18	98	80	11	M6×1	9.0	42	46	17	1.80								
114	44	20	120	90	14	M6×1	10.0	44	50	20	2.49	35.0	31.8	2000	3000	4000		RS4010A**	8.87
130	47	22	116	100	18	M6×1	11.0	47	55	20	3.07	39.0	35.8	2000	3000	4000		RS4512A**	11.16
140	52	22	122	110	18	M6×1	11.0	52	59	20	4.06	45.0	41.8	2000	3000	4000		RS5010A**	14.15
163	57	28	146	125	22	M6×1	14.0	57	63	25	6.42	42.0	38.8	2000	3000	4000		RS5016A**	13.48

Remarks 4. Nut assembly with arbor and the screw shaft are separated at time of delivery.
 5. At the end of the screw shaft reference number where marked with "**", fill with the value obtained by dividing the standard screw shaft length by 100 mm.
 6. Items in stock are not applied surface treatment.