



Ball nut No.	Shaft dia. <i>d</i>	Lead <i>l</i>	Ball dia. <i>D_v</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. <i>D</i>	Ball nut dimensions Outside dia. <i>D</i>
							Dynamic <i>C_a</i>	Static <i>C_{oa}</i>		
RNFCL 1212A3 RNFCL 1212A6	12	12	2.381	12.65	10.1	1.7 × 2 1.7 × 4	3740 6780	6640 13300	0.10	26
RNFCL 1520A3 RNFCL 1520A6S	15	20	3.175	15.5	12.2	1.7 × 2	6730	12300	0.10	33
RNFCL 1616A3 RNFCL 1616A3S RNFCL 1616A6 RNFCL 1616A6S	16	16	2.778	16.65	13.5	1.7 × 2 1.7 × 4	5430 9860	10400 20800	0.10	32
RNFCL 2020A3 RNFCL 2020A3S RNFCL 2020A6 RNFCL 2020A6S	20	20	3.175	20.75	17.3	1.7 × 2 1.7 × 4	7810 14200	16500 33000	0.10	39
RNFCL 2525A3 RNFCL 2525A3S RNFCL 2525A6 RNFCL 2525A6S	25	25	3.969	26	22.0	1.7 × 2 1.7 × 4	11700 21200	25800 51500	0.12	47
RNFCL 3232A3 RNFCL 3232A3S RNFCL 3232A6 RNFCL 3232A6S	32	32	4.762	33.25	28.0	1.7 × 2 1.7 × 4	17100 31000	40500 81000	0.15	58
RNFCL 4040A3 RNFCL 4040A3S RNFCL 4040A6 RNFCL 4040A6S	40	40	6.35	41.75	35.0	1.7 × 2 1.7 × 4	27200 49300	67900 136000	0.20	73
RNFCL 5050A3 RNFCL 5050A3S RNFCL 5050A6 RNFCL 5050A6S	50	50	7.938	52.25	44.0	1.7 × 2 1.7 × 4	40600 73700	106000 212000	0.25	90

Remarks 1. The actual screw shaft length may be slightly longer than nominal length *L_s* due to manufacturing tolerance.
 2. Nut assembly with arbor and screw shaft are separated at time of delivery.
 3. The value obtained by dividing the standard screw length by 100 mm will be entered at the end of the reference number where marked with "** *."

Ball nut dimensions													Nut Mass. (kg)	Arbor		Screw shaft			Shaft mass/m (kg)
Flange		Length				Bolt hole		Oil hole	Outside dia. <i>d_o</i>	Bore <i>d_i</i>	Standard length <i>L_s</i>			Screw shaft No.					
<i>A</i>	<i>H</i>	<i>B</i>	<i>E</i>	<i>L_n</i>	<i>M</i>	<i>W</i>	<i>X</i>	<i>Q</i>	<i>T</i>	<i>d_o</i>	<i>d_i</i>								
44	28	6	9	30	—	35	4.5	M3 × 0.5	3.0	0.12	10.1	8.1	400	800	RS1212A**	0.74			
51	35	10	11	45	—	42	4.5	M6 × 1	5.0	0.28	12.2	10.2	500	1000	1500	RS1520A**	1.15		
53	34	10	10	38	—	42	4.5	M6 × 1	5.0	0.23	13.5	11.5	500	1000	1500	RS1616A**	1.37		
62	41	10	11.5	46	—	50	5.5	M6 × 1	5.0	0.37	17.3	14.9	500	1000	2000	RS2020A**	2.19		
74	49	12	13	55	—	60	6.6	M6 × 1	6.0	0.62	22.0	19.6	1000	2000	2500	RS2525A**	3.43		
92	60	12	16	70	—	74	9	M6 × 1	5.5	1.10	28.0	25.6	1000	2000	3000	RS3232A**	5.71		
114	75	15	19.5	85	—	93	11	M6 × 1	6.5	2.09	35.0	31.8	2000	3000	4000	RS4040A**	8.82		
135	92	20	21.5	107	—	112	14	M6 × 1	7.0	3.90	44.0	40.8	2000	3000	4000	RS5050A**	13.81		

Remarks 4. Items in stock are not applied surface treatment.
 5. The entire length of the nut becomes longer by "2 × *M*" for those with a seal. The seal is "Brush-seal."