



Ball nut No.	Shaft dia. <i>d</i>	Lead <i>l</i>	Ball dia. <i>D<sub>w</sub></i>	Ball circle dia. <i>d<sub>m</sub></i>	Root dia. <i>d<sub>r</sub></i>	Effective turns of balls × Circuits	Basic load rating (N)		Axial play Max.	Ball nut dimensions Outside dia. <i>D</i>
							Dynamic <i>C<sub>e</sub></i>	Static <i>C<sub>es</sub></i>		
<b>RNFCL 1632A2</b> <b>RNFCL 1632A2S</b> <b>RNFCL 1632A3</b> <b>RNFCL 1632A3S</b> <b>RNFCL 1632A6</b> <b>RNFCL 1632A6S</b>	16	32	2.778	16.65	13.5	0.7 × 4	4600	8460	0.10	32
1.7 × 2						5430	10400			
1.7 × 4						9860	20800			
<b>RNFCL 2040A2</b> <b>RNFCL 2040A2S</b> <b>RNFCL 2040A3</b> <b>RNFCL 2040A3S</b> <b>RNFCL 2040A6</b> <b>RNFCL 2040A6S</b>	20	40	3.175	20.75	17.3	0.7 × 4	6610	13600	0.10	38
1.7 × 2						7810	16500			
1.7 × 4						14200	33000			
<b>RNFCL 2550A2</b> <b>RNFCL 2550A2S</b> <b>RNFCL 2550A3</b> <b>RNFCL 2550A3S</b> <b>RNFCL 2550A6</b> <b>RNFCL 2550A6S</b>	25	50	3.969	26	22.0	0.7 × 4	9870	21200	0.12	46
1.7 × 2						11700	25800			
1.7 × 4						21200	51500			
<b>RNFCL 3264A3</b> <b>RNFCL 3264A3S</b> <b>RNFCL 3264A6</b> <b>RNFCL 3264A6S</b>	32	64	4.762	33.25	28.0	1.7 × 2	17100	40500	0.15	58
1.7 × 4						31000	81000			
<b>RNFCL 4080A3</b> <b>RNFCL 4080A3S</b> <b>RNFCL 4080A6</b> <b>RNFCL 4080A6S</b>	40	80	6.350	41.75	35.0	1.7 × 2	27200	67900	0.20	73
1.7 × 4						49300	136000			

Remarks 1. The actual screw shaft length may be slightly longer than nominal length *L<sub>s</sub>* 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.	Bore	Standard length		Screw shaft No.				
<i>A</i>	<i>H</i>	<i>B</i>	<i>E</i>	<i>L<sub>n</sub></i>	<i>M</i>	<i>W</i>	<i>X</i>	<i>Q</i>	<i>T</i>	<i>d<sub>o</sub></i>	<i>d<sub>i</sub></i>	<i>L<sub>s</sub></i>				
50	34	10	10	34	—	41	4.5	M6 × 1	5.5	0.21	13.5	11.5	500 1000 1500	RS1632A**	1.34	
				—	3											
				66	—											3
58	40	10	11	41	—	48	5.5	M6 × 1	5.5	0.31	17.3	14.9	500 1000 1500 2000	RS2040A**	2.15	
				—	3											
				81	—											3
70	48	12	13	50	—	58	6.6	M6 × 1	7.0	0.53	22.0	19.6	1000 2000 2500	RS2550A**	3.37	
				—	3											
				100	—											3
92	60	12	15.5	100	—	74	9	M6 × 1	7.5	1.76	28.0	25.6	1000 2000 3000 4000	RS3264A**	5.63	
				—	3											
				126	—											3
114	75	15	19	100	—	93	11	M6 × 1	10	3.44	35.0	31.8	2000 3000 4000 5000	RS4080A**	8.69	
				—	3											
				158	3.5											—

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."