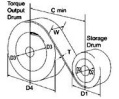




MBA

Spring Motors - RINO



301 stainless Steel.

Shipped as shown to be mounted on drums (not supplied) of the recommended diameters.

Torque ratings listed are for the unwinding portion of the cycle.

Torque at fully wound end of cycle will be slightly higher.

Spring Motors - RINO

Part Number	Spring Torque +/- 10% kg.cm	Spring Length mm	Spring Thickness (T) mm	Width (W) mm	Recom. Drum Size - Storage (D2 mm)	Recom. Drum Size - Output (D3 mm)	Recom. Flange Size - Stor (D1) mm	Recom. Flange Size - Out (D4) mm	Avge Fatigue Cycles
		<i>inches</i>	<i>inches</i>	<i>inches</i>	<i>inches</i>	<i>inches</i>	<i>inches</i>	<i>inches</i>	
# SR100	0.03	1168, Cage Buggy BL	0.05	3.175	9.5	15.9	13.0	18.1	20000
			<i>0.002</i>	<i>0.125</i>	<i>0.374</i>	<i>0.626</i>	<i>0.512</i>	<i>0.713</i>	
# SR79	0.04	1168	0.05	3.175	6.7	11.1	11.0	14.2	5000
		<i>45.984</i>	<i>0.002</i>	<i>0.125</i>	<i>0.264</i>	<i>0.437</i>	<i>0.433</i>	<i>0.559</i>	
# SR101	0.06	1168	0.05	6.350	9.5	15.9	13.0	18.1	20000
		<i>45.984</i>	<i>0.002</i>	<i>0.250</i>	<i>0.374</i>	<i>0.626</i>	<i>0.512</i>	<i>0.713</i>	

Indicates item not stocked at time of printing - Please enquire for lead time

E&OE Pricing and all details subject to change without notice - Copyright Miniature Bearings Australia Pty Ltd

MBA Size Listings are a guide to sizes only and must not be solely relied on for critical design information.

Spring Motors - RINO

Part Number	Spring Torque +/- 10% kg.cm	Spring Length mm	Spring Thickness (T) mm	Width (W) mm	Recom. Drum Size - Storage (D2 mm)	Recom. Drum Size - Output (D3) mm	Recom. Flange Size - Stor (D1) mm	Recom. Flange Size - Out (D4) mm	Avge Fatigue Cycles
		<i>inches</i>	<i>inches</i>	<i>inches</i>	<i>inches</i>	<i>inches</i>	<i>inches</i>	<i>inches</i>	
# SR80	0.08	1168 <i>45.984</i>	0.05 <i>0.002</i>	6.350 <i>0.250</i>	6.7 <i>0.264</i>	11.1 <i>0.437</i>	11.0 <i>0.433</i>	14.2 <i>0.559</i>	5000
# SR102	0.11	1753 <i>69.016</i>	0.08 <i>0.003</i>	4.760 <i>0.187</i>	14.3 <i>0.563</i>	23.8 <i>0.937</i>	19.4 <i>0.764</i>	27.2 <i>1.071</i>	20000
# SR81	0.14	1753 <i>69.016</i>	0.08 <i>0.003</i>	4.760 <i>0.187</i>	10.0 <i>0.394</i>	16.6 <i>0.654</i>	16.5 <i>0.650</i>	21.2 <i>0.835</i>	5000
# SR103	0.18	1753 <i>69.016</i>	0.08 <i>0.003</i>	7.940 <i>0.313</i>	14.3 <i>0.563</i>	23.8 <i>0.937</i>	19.4 <i>0.764</i>	27.2 <i>1.071</i>	20000
# SR82	0.23	1753 <i>69.016</i>	0.08 <i>0.003</i>	7.940 <i>0.313</i>	10.0 <i>0.394</i>	16.6 <i>0.654</i>	16.5 <i>0.650</i>	21.2 <i>0.835</i>	5000
# SR104	0.26	2337 <i>92.008</i>	0.10 <i>0.004</i>	6.350 <i>0.250</i>	19.1 <i>0.752</i>	31.8 <i>1.252</i>	25.9 <i>1.020</i>	36.3 <i>1.429</i>	20000
# SR83	0.33	2337 <i>92.008</i>	0.10 <i>0.004</i>	6.350 <i>0.250</i>	13.3 <i>0.524</i>	22.2 <i>0.874</i>	21.9 <i>0.862</i>	28.2 <i>1.110</i>	5000
# SR105	0.50	2337 <i>92.008</i>	0.10 <i>0.004</i>	9.520 <i>0.375</i>	19.1 <i>0.752</i>	31.8 <i>1.252</i>	25.9 <i>1.020</i>	36.3 <i>1.429</i>	20000
# SR84	0.50	2337 <i>92.008</i>	0.10 <i>0.004</i>	9.520 <i>0.375</i>	13.3 <i>0.524</i>	22.2 <i>0.874</i>	21.9 <i>0.862</i>	28.2 <i>1.110</i>	5000
# SR106	0.61	2921 <i>115.000</i>	0.13 <i>0.005</i>	9.520 <i>0.375</i>	23.8 <i>0.937</i>	39.6 <i>1.559</i>	32.5 <i>1.280</i>	45.2 <i>1.780</i>	20000

Indicates item not stocked at time of printing - Please enquire for lead time

E&OE Pricing and all details subject to change without notice - Copyright Miniature Bearings Australia Pty Ltd

MBA Size Listings are a guide to sizes only and must not be solely relied on for critical design information.

Spring Motors - RINO

Part Number	Spring Torque +/- 10% kg.cm	Spring Length mm	Spring Thickness (T) mm	Width (W) mm	Recom. Drum Size - Storage (D2 mm)	Recom. Drum Size - Output (D3 mm)	Recom. Flange Size - Stor (D1) mm	Recom. Flange Size - Out (D4) mm	Avge Fatigue Cycles
		<i>inches</i>	<i>inches</i>	<i>inches</i>	<i>inches</i>	<i>inches</i>	<i>inches</i>	<i>inches</i>	
# SR85	0.78	2921 <i>115.000</i>	0.13 <i>0.005</i>	9.520 <i>0.375</i>	16.6 <i>0.654</i>	27.7 <i>1.091</i>	27.4 <i>1.079</i>	35.3 <i>1.390</i>	5000
# SR107	0.90	2921 <i>115.000</i>	0.13 <i>0.005</i>	12.700 <i>0.500</i>	23.8 <i>0.937</i>	39.6 <i>1.559</i>	32.5 <i>1.280</i>	45.2 <i>1.780</i>	20000
# SR86	1.04	2921 <i>115.000</i>	0.13 <i>0.005</i>	12.700 <i>0.500</i>	16.6 <i>0.654</i>	27.7 <i>1.091</i>	27.4 <i>1.079</i>	35.3 <i>1.390</i>	5000
# SR108	1.16	3505 <i>137.992</i>	0.15 <i>0.006</i>	12.700 <i>0.500</i>	28.5 <i>1.122</i>	47.5 <i>1.870</i>	38.9 <i>1.531</i>	54.4 <i>2.142</i>	20000
# SR109	1.46	3505 <i>137.992</i>	0.15 <i>0.006</i>	15.880 <i>0.625</i>	28.5 <i>1.122</i>	47.5 <i>1.870</i>	38.9 <i>1.531</i>	54.4 <i>2.142</i>	20000
# SR87	1.49	3505 <i>137.992</i>	0.15 <i>0.006</i>	12.700 <i>0.500</i>	19.9 <i>0.783</i>	33.3 <i>1.311</i>	33.3 <i>1.311</i>	42.4 <i>1.669</i>	5000
# SR88	1.86	3505 <i>137.992</i>	0.15 <i>0.006</i>	15.880 <i>0.625</i>	19.9 <i>0.783</i>	33.3 <i>1.311</i>	33.3 <i>1.311</i>	42.4 <i>1.669</i>	5000
# SR110	2.33	4674 <i>184.016</i>	0.20 <i>0.008</i>	14.290 <i>0.563</i>	38.1 <i>1.500</i>	63.5 <i>2.500</i>	51.8 <i>2.039</i>	72.4 <i>2.850</i>	20000
# SR89	2.99	4674 <i>184.016</i>	0.20 <i>0.008</i>	14.290 <i>0.563</i>	26.4 <i>1.039</i>	44.2 <i>1.740</i>	44.2 <i>1.740</i>	56.4 <i>2.220</i>	5000
# SR111	4.05	5842 <i>230.000</i>	0.25 <i>0.010</i>	15.880 <i>0.625</i>	47.5 <i>1.870</i>	79.3 <i>3.122</i>	64.8 <i>2.551</i>	90.4 <i>3.559</i>	20000

Indicates item not stocked at time of printing - Please enquire for lead time

E&OE Pricing and all details subject to change without notice - Copyright Miniature Bearings Australia Pty Ltd

MBA Size Listings are a guide to sizes only and must not be solely relied on for critical design information.

Spring Motors - RINO

Part Number	Spring Torque +/- 10% kg.cm	Spring Length mm	Spring Thickness (T) mm	Width (W) mm	Recom. Drum Size - Storage (D2 mm)	Recom. Drum Size - Output (D3) mm	Recom. Flange Size - Stor (D1) mm	Recom. Flange Size - Out (D4) mm	Avge Fatigue Cycles
		<i>inches</i>	<i>inches</i>	<i>inches</i>	<i>inches</i>	<i>inches</i>	<i>inches</i>	<i>inches</i>	
# SR90	5.20	5842 <i>230.000</i>	0.25 <i>0.010</i>	15.880 <i>0.625</i>	33.3 <i>1.311</i>	55.4 <i>2.181</i>	55.4 <i>2.181</i>	70.9 <i>2.791</i>	5000
# SR112	7.02	7010 <i>275.984</i>	0.31 <i>0.012</i>	19.050 <i>0.750</i>	56.9 <i>2.240</i>	95.0 <i>3.740</i>	77.7 <i>3.059</i>	108.5 <i>4.272</i>	20000
# SR91	8.92	7010 <i>275.984</i>	0.31 <i>0.012</i>	19.050 <i>0.750</i>	39.9 <i>1.571</i>	66.6 <i>2.622</i>	66.0 <i>2.598</i>	85.1 <i>3.350</i>	5000
# SR113	9.35	7010 <i>275.984</i>	0.31 <i>0.012</i>	25.400 <i>1.000</i>	56.9 <i>2.240</i>	95.0 <i>3.740</i>	77.7 <i>3.059</i>	108.5 <i>4.272</i>	20000
# SR92	11.90	7010 <i>275.984</i>	0.31 <i>0.012</i>	25.400 <i>1.000</i>	39.9 <i>1.571</i>	66.6 <i>2.622</i>	66.0 <i>2.598</i>	85.1 <i>3.350</i>	5000
# SR114	12.70	8179 <i>322.008</i>	0.36 <i>0.014</i>	25.400 <i>1.000</i>	66.6 <i>2.622</i>	111.0 <i>4.370</i>	90.4 <i>3.559</i>	127.5 <i>5.020</i>	20000
# SR93	16.30	8179 <i>322.008</i>	0.36 <i>0.014</i>	25.400 <i>1.000</i>	46.7 <i>1.839</i>	77.7 <i>3.059</i>	77.7 <i>3.059</i>	99.3 <i>3.909</i>	5000
# SR115	18.70	7010 <i>275.984</i>	0.31 <i>0.012</i>	50.800 <i>2.000</i>	56.9 <i>2.240</i>	95.0 <i>3.740</i>	77.7 <i>3.059</i>	108.5 <i>4.272</i>	20000
# SR94	23.80	7010 <i>275.984</i>	0.31 <i>0.012</i>	50.800 <i>2.000</i>	39.9 <i>1.571</i>	66.6 <i>2.622</i>	66.0 <i>2.598</i>	85.1 <i>3.350</i>	5000
# SR116	25.40	8179 <i>322.008</i>	0.36 <i>0.014</i>	50.800 <i>2.000</i>	66.6 <i>2.622</i>	111.0 <i>4.370</i>	90.4 <i>3.559</i>	127.0 <i>5.000</i>	20000

Indicates item not stocked at time of printing - Please enquire for lead time

E&OE Pricing and all details subject to change without notice - Copyright Miniature Bearings Australia Pty Ltd

MBA Size Listings are a guide to sizes only and must not be solely relied on for critical design information.

Spring Motors - RINO

Part Number	Spring Torque +/- 10% kg.cm	Spring Length mm	Spring Thickness (T) mm	Width (W) mm	Recom. Drum Size - Storage (D2 mm)	Recom. Drum Size - Output (D3 mm)	Recom. Flange Size - Stor (D1) mm	Recom. Flange Size - Out (D4) mm	Avge Fatigue Cycles
		<i>inches</i>	<i>inches</i>	<i>inches</i>	<i>inches</i>	<i>inches</i>	<i>inches</i>	<i>inches</i>	
# SR117	31.60	10516 <i>414.016</i>	0.46 <i>0.018</i>	38.100 <i>1.500</i>	85.6 <i>3.370</i>	142.8 <i>5.622</i>	116.8 <i>4.598</i>	162.6 <i>6.402</i>	20000
# SR95	32.60	8179 <i>322.008</i>	0.36 <i>0.014</i>	50.800 <i>2.000</i>	46.7 <i>1.839</i>	77.7 <i>3.059</i>	77.7 <i>3.059</i>	99.3 <i>3.909</i>	5000
# SR96	40.30	10516 <i>414.016</i>	0.46 <i>0.018</i>	38.100 <i>1.500</i>	59.7 <i>2.350</i>	99.6 <i>3.921</i>	99.6 <i>3.921</i>	127.3 <i>5.012</i>	5000
# SR118	42.20	10516 <i>414.016</i>	0.46 <i>0.018</i>	50.800 <i>2.000</i>	85.6 <i>3.370</i>	142.8 <i>5.622</i>	116.8 <i>4.598</i>	162.6 <i>6.402</i>	20000
# SR97	54.00	10516 <i>414.016</i>	0.46 <i>0.018</i>	50.800 <i>2.000</i>	59.7 <i>2.350</i>	99.6 <i>3.921</i>	99.6 <i>3.921</i>	127.3 <i>5.012</i>	5000
# SR119	63.00	12852 <i>505.984</i>	0.56 <i>0.022</i>	50.800 <i>2.000</i>	104.7 <i>4.122</i>	174.5 <i>6.870</i>	142.2 <i>5.598</i>	199.4 <i>7.850</i>	20000
# SR98	80.50	12852 <i>505.984</i>	0.56 <i>0.022</i>	50.800 <i>2.000</i>	73.2 <i>2.882</i>	121.9 <i>4.799</i>	121.9 <i>4.799</i>	156.0 <i>6.142</i>	5000
# SR120	81.50	14605 <i>575.000</i>	0.64 <i>0.025</i>	50.800 <i>2.000</i>	118.9 <i>4.681</i>	198.4 <i>7.811</i>	162.6 <i>6.402</i>	226.1 <i>8.902</i>	20000
# SR99	103.00	14605 <i>575.000</i>	0.64 <i>0.025</i>	50.800 <i>2.000</i>	82.8 <i>3.260</i>	138.2 <i>5.441</i>	138.2 <i>5.441</i>	176.8 <i>6.961</i>	5000

Indicates item not stocked at time of printing - Please enquire for lead time

E&OE Pricing and all details subject to change without notice - Copyright Miniature Bearings Australia Pty Ltd

MBA Size Listings are a guide to sizes only and must not be solely relied on for critical design information.



DISTRIBUTED BY

Ask us to put your name and address here

<http://www.minibearings.com.au/product>

Ph +61 7 3245 7977

Fax +61 7 3245 1017

Catalogue requests to catalogues@minibearings.com.au

