

## Spinlock Rig-Sense App Instructions



Rig-Sense by Spinlock is a new Rig tension device for measuring the loads in wire and rope standing rigging used on boats.

Rig-Sense is a simple to use device, measuring the tension directly in kilogrammes to eliminate any conversions. Rig-Sense also benefits from being able to operated one handed and can support itself on the rig whilst being used. It uses quality parts for long term performance, consistent and accurate readings over time.

### About the Rig-Sense App

The Rig-Sense App is a simple mobile application for logging rig settings on any boat. By using this App you can store multiple settings, for multiple boats and share with the crew, training partners, classes, coaches and the rest of the world.

The intuitive and easy-to-use interface of the App makes it easy for anyone to use and understand. You can log many types of information including shroud settings, type of spinnaker and the wind range you choose. The App allows you to customise any aspect of your Tuning Guide and save it as a 'Template' and from there you can create any number of 'Files' for different types of boats and conditions.

All the information is stored on your Phone or Tablet, so you can assess the data anytime, anywhere.

If you are sailing a boat for the first time you can go to the class or sailmakers website and download the settings directly to the Spinlock RIG App. You always have the information at your fingertips so you can focus sailing the boat!

### Using the Rig-Sense App

Rig-Sense uses 2 main functions; DATA and TEMPLATES.

- **DATA** hold the information for your individual boat settings (i.e. Shrouds 230kg).
- **TEMPLATES** change the layouts for your settings (i.e. Wind range, Control settings)

Please follow these instructions to get started:

1. Download the 'Rig-Sense App' for free via the Apple App Store or Android Google Play.
2. Once downloaded, click on the Rig-Sense icon on your phone to open the RIG App. A new Data file will be displayed.
3. True wind speed in knots is displayed along the top (TWS KTS). Your settings are displayed down the left hand side (e.g. Shrouds, Lowers, Uppers, Outhaul, etc.). You can scroll down and across for more wind or more settings.
4. To edit the information, unlock the Settings by tapping the 'EDIT' button on the menu at the bottom of the screen.
5. To change the title of the Settings, tap on the title at the top of the screen. You can use any name, however we recommend using the boat name or type (e.g. Laser, 420, J70, etc.)

6. Now you can edit the info in the table to match your settings, using your own units (e.g. 250kg, 3, mk3, Tight, Medium, etc.).
7. To add a Note to the Settings (i.e. Good setup for flat water), click on the button next to the time/date stamp at the top of the screen.
8. Once complete, tap the 'EDIT' button to lock and save your settings.
9. To create new Settings use the 'NEW LOG' button. The new file will be created using the current default TEMPLATE.
10. All your Settings can be found using the 'MY DATA' button.
11. In 'MY DATA' you can view all your previous settings. By tapping on one of the Data files, you will get a number of options:

VIEW DATA –	View the current FILE.
EMAIL DATA –	Share the FILE with someone via email.
DELETE DATA –	Delete the FILE.
CANCEL –	Return back to the previous screen.

12. To edit the titles of your Settings or change the Wind range, you need to edit the TEMPLATE. Tap on the 'MY DATA' button, then tap on the 'TEMPLATES' tab at the top of the screen.
13. Tap on one of the TEMPLATES that best suits your type of boat and ability:

SPINLOCK BLANK –	A blank TEMPLATE to fully customise your settings.
SPINLOCK BASIC –	A starting point for beginners or single handers.
SPINLOCK STANDARD –	A template for double handers or Keelboats.
SPINLOCK PRO –	A TEMPLATE for Champions.

14. Once selected, you will see a number of options:

MAKE DEFAULT -	Uses current template when a new log is created.
USE TEMPLATE –	Uses current template and creates a new 'Data'.
EDIT TEMPLATE –	Edit the current template to customise your settings.
EMAIL TEMPLATE –	Share the 'TEMPLATE' via email.
DELETE TEMPLATE –	Delete current 'TEMPLATE'
CANCEL –	Return to the previous screen.

15. Tap 'EDIT TEMPLATE', now you can edit the titles of your Settings and/or the Wind range.
16. Start by changing the TEMPLATE title by tapping on the title at the top of the screen. We recommend using the type of boat (e.g. Yacht, Dinghy, Keelboat, etc.).
17. Now click on any control title or wind setting to edit the name.
18. To delete a row, tap and hold over the title (e.g. Uppers).
19. To Add a row, tap on the '+' sign at the bottom of the rows.
20. To delete a column, or set the column as your BASE settings. Tap and hold on the wind setting (e.g. 6-10).
21. To add a column, tap on the '+' sign at the end of the wind range.
22. Once complete, tap the 'Edit' button at the bottom Menu bar, you will be asked to SAVE TEMPLATE AS. NOTE – Previous copies of the TEMPLATE will still be available in My Data.
23. To take an image or photo of the setting, tap on the 'My Data' button, and then tap on the camera icon beside the Data title. You can save up to 3 images/photos per file.

## Importing a Data File

To import other settings from Class associations, World Champions, Sail makers, Coaches, etc. You need to create a free Dropbox account. Please go to [www.dropbox.com](http://www.dropbox.com) for more information.

Once you have a Dropbox account, follow these simple instructions:

1. Tap on 'My Data'.
2. Tap on 'Import' at the top of the list.
3. Input your Dropbox account details.
4. When you are prompted to allow Spinlock RIG to access your Dropbox, click 'Allow'.
5. If successful, click 'continue' in the bottom left hand corner. If not, check your Dropbox login details.
6. Currently, you will see no files in your list.
7. Open your Dropbox on a computer or phone and import the 'Rig settings' file from your class association, world champion, sail maker or coach.
8. The 'Rig setting' file needs to go in your 'Spinlock RIG' file, which is located in your 'App' file in your 'Files'.
9. Once your Rig Setting file is imported into Dropbox, open your RigSense app and you should be able to see your Rig Setting file in the import list. Tap on the required file and tap OK.
10. Now you can view and edit the data.

## TOP TIPS

Use the PINK highlighted column as your BASE settings.

Edit your TEMPLATE before you edit the FILE. Once you start your FILE, the TEMPLATE cannot be edited.

Try logging all aspects of your boat including sail selection, water ballast, heel angle or foil angle.

Go to [www.spinlock.co.uk](http://www.spinlock.co.uk) and use the video link to find more help.

## DISCLAIMER

Please refer to your boat manufacture, class association or professional riggers for advice for your rig settings. Getting the right setting for your rig will affect your performance, safety and longevity of your rig and boat.

Spinlock Ltd accepts no liability for the accuracy of the information provided. The sole responsibility lies with the Skipper of the boat to make sure that their boat is properly maintained and is fit for sea.

Loos Gauge conversion chart (kg)

Wire Dia.	2.5mm		3mm		4mm		5mm		6mm		7mm			8mm
Loos Gauge	Model A	PT1	Model A	PT1	Model A	PT1	Model B	PT2	Model B	PT2	Model B	PT2	PT3	PT3
5	36													
6	39													
7	42													
8	45	50												
9	48	54												
10	50	58					109						300	
11	54	62					116	95					330	
12	58	66		57			123	110					360	200
13	62	70		60			130	120					400	220
14	65	75		65			137	140					440	240
15	68	82	54	70			145	150					480	270
16	73	90	58	75			154	170					515	300
17	78	100	62	82			163	180					550	330
18	83	110	66	90			172	200					590	360
19	88	120	70	100			181	220					630	400
20	91	130	73	110			190	240	136				684	430
21	97	140	78	120		70	204	260	146				738	460
22	103		82	130		76	218	280	163	160			790	500
23	108		86	140		83	232	310	175	180			845	540
24	113		91	150		90	245	340	186	200			900	590
25	120		95	160		100	263	370	202	210			1000	630
26	127		100	170		115	281	400	218	230			1100	680
27	134		105	180		127	309	440	236	250				720
28	141		109	190		140	336	490	254	270				770
29	150		114	210		150	368	550	277	290				850
30	159		119	220		160	400	620	300	320		220		920
31	170		127	235		170	445		327	350		240		1000
32	181		136	250	91	180	490		354	380		270		1100
33			145	270	100	195	562		395	420		290		1240
34			154	295	110	210	635		435	460		320		1400
35			165	330	118	225			493	510		350		
36			177	370	127	240			550	570		370		
37			190		136	260			638	640		400		
38			204		145	280			725	730	180	440		
39			226		154	320			840		210	470		
40			250		164	360					240	510		
41			283		178						272	550		
42			317		191						304	620		
43					213						340			
44					236						385			
45					273						444			
46					318						508			
47					364						600			
48					432						900			

PLEASE NOTE – There is no conversion for the Blue Shaded area from LOOs. If data is required, use a line graph to estimate the conversion beyond the scale.

## LBS to KG Conversion Chart

LBS	KG		LBS	KG		LBS	KG
66	30		1124	510		2183	990
88	40		1146	520		2205	1000
110	50		1168	530		2227	1010
132	60		1190	540		2249	1020
154	70		1213	550		2271	1030
176	80		1235	560		2293	1040
198	90		1257	570		2315	1050
220	100		1279	580		2337	1060
243	110		1301	590		2359	1070
265	120		1323	600		2381	1080
287	130		1345	610		2403	1090
309	140		1367	620		2425	1100
331	150		1389	630		2447	1110
353	160		1411	640		2469	1120
375	170		1433	650		2491	1130
397	180		1455	660		2513	1140
419	190		1477	670		2535	1150
441	200		1499	680		2557	1160
463	210		1521	690		2579	1170
485	220		1543	700		2601	1180
507	230		1565	710		2623	1190
529	240		1587	720		2646	1200
551	250		1609	730		2668	1210
573	260		1631	740		2690	1220
595	270		1653	750		2712	1230
617	280		1676	760		2734	1240
639	290		1698	770		2756	1250
661	300		1720	780		2778	1260
683	310		1742	790		2800	1270
705	320		1764	800		2822	1280
728	330		1786	810		2844	1290
750	340		1808	820		2866	1300
772	350		1830	830		2888	1310
794	360		1852	840		2910	1320
816	370		1874	850		2932	1330
838	380		1896	860		2954	1340
860	390		1918	870		2976	1350
882	400		1940	880		2998	1360
904	410		1962	890		3020	1370
926	420		1984	900		3042	1380
948	430		2006	910		3064	1390
970	440		2028	920		3086	1400
992	450		2050	930			
1014	460		2072	940			
1036	470		2094	950			
1058	480		2116	960			
1080	490		2138	970			
1102	500		2161	980			