



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. Depending on your device, either use the Play Store for Android phones or Apple App Store for iPhones to download the 'Rig-Sense App' for free.
2. Once downloaded, click on the Rig-Sense icon on your phone to open the 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	
Loos Gauge	Model A	PT1	Model A	PT1	Model A	PT1	Model B	PT2
5	36							
6								
7								
8		50						
9		54						
10	50	58					109	
11		62						95
12		66						110
13		70						120
14		75						140
15	68	82	54	70			145	150
16		90		75				170
17		100		82				180
18		110		90			172	200
19		120		100				220
20	91	130	73	110			190	240
21		140		120		70		260
22	104		82	130		76	218	280
23				140		83		310
24	113		91	150		90	245	340
25				160		100		370
26	127		100	170		115	281	400
27				180		127		440
28	141		109	190		140	336	490
29				210		150		550
30	159		118	220		160	400	620
31				235		170		
32	181		136	250	91	180	490	
33						195		
34			154		110	210	635	
35						225		
36			177		127	240		
37						260		
38			204		145	280		
39						320		
40			250		164	360		
41								
42			317		191			
43								
44					236			
45					273			
46					318			
47					364			
48					432			

Imperial to Kg conversion chart

Figures below in kg

Scale	Model PT-1			Model PT-2		
	3/32	1/8	5/32	3/16	7/32	1/4
5	32					
6	36					
7	41					
8	45					
9	50					
10	57			82		
11	61			113		
12	68	45		122		
13	73	50		136		
14	77	57		150		
15	84	61		168		
16	91	68		191		
17	100	75		204		
18	109	82		227		
19	118	91		245		
20	127	100	64	268	145	
21	136	109	70	290	163	
22		118	77	318	186	
23		127	84	349	204	136
24		136	91	381	227	159
25		145	100	417	254	181
26		156	111	467	286	204
27		168	120	503	308	227
28		177	136	562	336	249
29		191	145		372	272
30		204	152		404	299
31		215	163		440	327
32		227	177		481	354
33			191		535	381
34			204		590	408
35			218		671	454
36			236		762	499
37			254			544
38			277			590
39			318			726
40			363			907

KG to LBS conversion chart

KG	LBS
35	77
40	88
45	99
50	110
55	121
60	132
65	143
70	154
75	165
80	176
85	187
90	198
95	209
100	220
105	231
110	243
115	254
120	265
125	276
130	287
135	298
140	309
145	320
150	331
155	342
160	353
165	364
170	375
175	386
180	397
185	408
190	419
195	430
200	441

KG	LBS
205	452
210	463
215	474
220	485
225	496
230	507
235	518
240	529
245	540
250	551
255	562
260	573
265	584
270	595
275	606
280	617
285	628
290	639
295	650
300	661
305	672
310	683
315	694
320	705
325	717
330	728
335	739
340	750
345	761
350	772
355	783
360	794
365	805
370	816

KG	LBS
315	694
320	705
325	717
330	728
335	739
340	750
345	761
350	772
355	783
360	794
365	805
370	816
375	827
380	838
385	849
390	860
395	871
400	882
405	893
410	904
415	915
420	926
425	937
430	948
435	959
440	970
445	981
450	992
455	1003
460	1014
465	1025
470	1036
475	1047
480	1058

KG	LBS
485	1069
490	1080
495	1091
500	1102
505	1113
510	1124
515	1135
520	1146
525	1157
530	1168
535	1179
540	1190
545	1202
550	1213
555	1224
560	1235
565	1246
570	1257
575	1268
580	1279
585	1290
590	1301
595	1312
600	1323
605	1334
610	1345
615	1356
620	1367
625	1378
630	1389
635	1400
640	1411
645	1422
650	1433