

## BATTEN REPLACEMENT CHART

## Model Year 2008 - 2022

Please note: every sail comes with individually specified battens which also change from year to year. Since it is impossible to stock all these original battens we have specified so called "universal battens" which fit to a maximum amount of sails and come as close as possible to the original batten in terms of performance. Therefore the replacement batten might have a slightly different profile and battens consisting of multiple pieces might have different lengths than your original batten.

Sail line	Model year	Size	Batten no. (counted from the top)	1	2	3	4	5	6	7
Warp	F2010 / F2011 / F2012 / F2013 / F2014 / F2015 / F2016 / F2017 / F2018 / F2019 + F2020 / F2021 + F2022	all sizes	Warp Replacement Batten 2.0 - #1 + lip plug	Warp Replacement Batten 2.0 - #2 + lip plug	Warp Replacement Batten 2.0 - #3 + tail	Warp Replacement Batten 2.0 - #4 + tail	Warp Replacement Batten 2.0 - #5 short (7.0 and down) + tail	Warp Replacement Batten 2.0 - #6 long (7.7 and up) + tail	Warp Replacement Batten 2.0 - #7 + tail	Warp Replacement Batten 2.0 - #8 + tail
		how to	1. cut FRONT of tube to correct length 2. install plug					1. cut BACK of tube to correct length 2. glue in tail		
S_Pace	2020 / 2021 / 2022	all sizes	Tube Replacement Batten + No-Tip Ferrule	Tube Replacement Batten + No-Tip Ferrule	Tube Replacement Batten + Tip E	Tube Replacement Batten + Tip B	Tube Replacement Batten + Tip B	Tube Replacement Batten + Tip B	Tube Replacement Batten + Tip A	SOLID FOOT BATTEN REPLACEMENT A
F_Pace Cam	2022	all sizes	Tube Replacement Batten + No-Tip Ferrule	Tube Replacement Batten + No-Tip Ferrule	Tube Replacement Batten + Tip C	Tube Replacement Batten + Tip C	Tube Replacement Batten + Tip C	Tube Replacement Batten + Tip C	SOLID FOOT BATTEN REPLACEMENT A	-
E_Pace / HD	2021 / 2022	8.2 - 7.8	SOLID TOP BATTEN REPLACEMENT A	Tube Replacement Batten + Tip E	Tube Replacement Batten + Tip E	Tube Replacement Batten + Tip E	Tube Replacement Batten + Tip E	Tube Replacement Batten + Tip C	Tube Replacement Batten + Tip C	SOLID FOOT BATTEN REPLACEMENT A
E_Pace / HD	2021 / 2022	8.2	SOLID TOP BATTEN REPLACEMENT A	Tube Replacement Batten + No-Tip Ferrule	Tube Replacement Batten + Tip E	Tube Replacement Batten + Tip E	Tube Replacement Batten + Tip E	Tube Replacement Batten + Tip E	Tube Replacement Batten + Tip C	SOLID FOOT BATTEN REPLACEMENT A
F_Pace	2021	4.6 - 5.8	Solid Batten Replacement Set A 2012 ROUND #1	Tube Replacement Batten + Tip C	Tube Replacement Batten + Tip C	Solid Batten Replacement Set A 2012 ROUND #5	-	-	-	-
F_Pace	2021	6.4 - 7.4	Solid Batten Replacement Set A 2012 ROUND #1	Tube Replacement Batten + Tip C	Tube Replacement Batten + Tip C	Tube Replacement Batten + Tip C	Solid Batten Replacement Set A 2012 ROUND #5	-	-	-
F_Pace	2022	3.4 - 4.0	Solid Batten Replacement Set A 2012 ROUND #1	Solid Batten Replacement Set A 2012 ROUND #3	Solid Batten Replacement Set A 2012 ROUND #4	Solid Batten Replacement Set A 2012 ROUND #5	-	-	-	-
F_Pace	2022	4.6 - 5.8	Solid Batten Replacement Set A 2012 ROUND #1	Tube Replacement Batten + Tip C	Tube Replacement Batten + Tip C	Solid Batten Replacement Set A 2012 ROUND #5	-	-	-	-
F_Pace	2022	6.4 - 7.4	Tube Replacement Batten + No-Tip Ferrule	Tube Replacement Batten + Tip C	Tube Replacement Batten + Tip C	Tube Replacement Batten + Tip C	Solid Batten Replacement Set A 2012 ROUND #5	-	-	-
Idol LTD	2020 / 2021 / 2022	all sizes	Solid Batten Replacement Set A 2012 ROUND #1	Solid Batten Replacement Set A 2012 ROUND #3	Solid Batten Replacement Set A 2012 ROUND #4	Solid Batten Replacement Set A 2012 ROUND #5	-	-	-	-
Super Star / SLS	2021 / 2022	all sizes	Solid Batten Replacement Set A 2012 ROUND #1	Solid Batten Replacement Set A 2012 ROUND #2	Solid Batten Replacement Set A 2012 ROUND #3	Solid Batten Replacement Set A 2012 ROUND #4	Solid Batten Replacement Set A 2012 ROUND #5	-	-	-
(Super) Hero / HD	2012 / 2013 / 2014 / 2015 / 2016 / 2017 / 2018 / 2019 / 2020 / 2021 / 2022	3.0 - 5.8	Solid Batten Replacement Set A 2012 ROUND #1	Solid Batten Replacement Set A 2012 ROUND #3	Solid Batten Replacement Set A 2012 ROUND #4	Solid Batten Replacement Set A 2012 ROUND #5	-	-	-	-
Now	2018 / 2019 / 2020 / 2021 / 2022	all sizes	Solid Batten Replacement Set A 2012 ROUND #1	Solid Batten Replacement Set A 2012 ROUND #3	Solid Batten Replacement Set A 2012 ROUND #5	-	-	-	-	-
RAM	F10 / F11 / F12 / F13 / F14	all sizes	Warp Replacement Batten 2.0 - #1 + lip plug	Warp Replacement Batten 2.0 - #2 + lip plug	Warp Replacement Batten 2.0 - #3 + tail	Warp Replacement Batten 2.0 - #4 + tail	Warp Replacement Batten 2.0 - #5 short (7.0 and down) + tail	Warp Replacement Batten 2.0 - #6 long (7.7 and up) + tail	Warp Replacement Batten 2.0 - #7 + tail	Warp Replacement Batten 2.0 - #8 + tail
RAM	F8 / F9	all sizes	Tube Replacement Batten + No-Tip Ferrule	Tube Replacement Batten + No-Tip Ferrule	Tube Replacement Batten + Tip E	Tube Replacement Batten + Tip B	Tube Replacement Batten + Tip B	Tube Replacement Batten + Tip B	Tube Replacement Batten + Tip A	SOLID FOOT BATTEN REPLACEMENT A
Daytona	2005 / 2006 / 2007	all sizes	Tube Replacement Batten + No-Tip Ferrule	Tube Replacement Batten + No-Tip Ferrule	Tube Replacement Batten + Tip E	Tube Replacement Batten + Tip B	Tube Replacement Batten + Tip B	Tube Replacement Batten + Tip B	Tube Replacement Batten + Tip A	SOLID FOOT BATTEN REPLACEMENT A
S_Type SL	2015 / 2016 / 2017 / 2018 / 2019	6.0 - 6.6	Tube Replacement Batten + No-Tip Ferrule	Tube Replacement Batten + Tip E	Tube Replacement Batten + Tip E	Tube Replacement Batten + Tip B	Tube Replacement Batten + Tip B	Tube Replacement Batten + Tip A	SOLID FOOT BATTEN REPLACEMENT A	-
S_Type SL	2015 / 2016 / 2017 / 2018 / 2019	7.3 - 9.3	Tube Replacement Batten + No-Tip Ferrule	Tube Replacement Batten + No-Tip Ferrule	Tube Replacement Batten + Tip E	Tube Replacement Batten + Tip B	Tube Replacement Batten + Tip B	Tube Replacement Batten + Tip A	Tube Replacement Batten + Tip A	SOLID FOOT BATTEN REPLACEMENT A
S_Type	2011 / 2012 / 2013 / 2014	6.0 - 7.8	Tube Replacement Batten + No-Tip Ferrule	Tube Replacement Batten + Tip E	Tube Replacement Batten + Tip E	Tube Replacement Batten + Tip B	Tube Replacement Batten + Tip B	Tube Replacement Batten + Tip A	SOLID FOOT BATTEN REPLACEMENT A	-
S_Type	2011 / 2012 / 2013 / 2014	8.4 - 9.5	Tube Replacement Batten + No-Tip Ferrule	Tube Replacement Batten + Tip E	Tube Replacement Batten + Tip B	Tube Replacement Batten + Tip B	Tube Replacement Batten + Tip B	Tube Replacement Batten + Tip A	Tube Replacement Batten + Tip A	SOLID FOOT BATTEN REPLACEMENT A
S_Type	2008 / 2009 / 2010	all sizes	Tube Replacement Batten + No-Tip Ferrule	Tube Replacement Batten + No-Tip Ferrule	Tube Replacement Batten + Tip E	Tube Replacement Batten + Tip B	Tube Replacement Batten + Tip B	Tube Replacement Batten + Tip B	Tube Replacement Batten + Tip A	SOLID FOOT BATTEN REPLACEMENT A
E_Pace / HD	2020	6.2 - 7.3	SOLID TOP BATTEN REPLACEMENT A	Tube Replacement Batten + Tip E	Tube Replacement Batten + Tip E	Tube Replacement Batten + Tip E	Tube Replacement Batten + Tip E	Tube Replacement Batten + Tip C	Tube Replacement Batten + Tip A	SOLID FOOT BATTEN REPLACEMENT A
E_Pace / HD	2020	7.8 & 8.2	SOLID TOP BATTEN REPLACEMENT A	Tube Replacement Batten + Tip E	Tube Replacement Batten + Tip E	Tube Replacement Batten + Tip E	Tube Replacement Batten + Tip E	Tube Replacement Batten + Tip C	Tube Replacement Batten + Tip C	SOLID FOOT BATTEN REPLACEMENT A
E_Type / HD	2014 / 2015 / 2016 / 2017 / 2018 / 2019	6.2 - 7.3	SOLID TOP BATTEN REPLACEMENT A	Tube Replacement Batten + Tip E	Tube Replacement Batten + Tip E	Tube Replacement Batten + Tip E	Tube Replacement Batten + Tip E	Tube Replacement Batten + Tip C	Tube Replacement Batten + Tip C	SOLID FOOT BATTEN REPLACEMENT A
E_Type / HD	2014 / 2015 / 2016 / 2017 / 2018 / 2019	7.8 & 8.2	SOLID TOP BATTEN REPLACEMENT A	Tube Replacement Batten + No-Tip Ferrule	Tube Replacement Batten + Tip E	Tube Replacement Batten + Tip E	Tube Replacement Batten + Tip E	Tube Replacement Batten + Tip C	Tube Replacement Batten + Tip C	SOLID FOOT BATTEN REPLACEMENT A
E_Type / HD	2014 / 2015	4.9 - 5.8	Solid Batten Replacement Set A 2012 ROUND #1	Solid Batten Replacement Set A 2012 ROUND #2	Solid Batten Replacement Set A 2012 ROUND #3	Solid Batten Replacement Set A 2012 ROUND #4	Solid Batten Replacement Set A 2012 ROUND #5	-	-	-
F_Type	2019 / 2020	all sizes	Tube Replacement Batten + No-Tip Ferrule	Tube Replacement Batten + No-Tip Ferrule	Tube Replacement Batten + Tip E	Tube Replacement Batten + Tip E	Tube Replacement Batten + Tip E	Tube Replacement Batten + Tip C	Tube Replacement Batten + Tip C	SOLID FOOT BATTEN REPLACEMENT A
X_Type	2008 / 2009 / 2010 / 2011 / 2012 / 2013	8.8 - 7.3	Tube Replacement Batten + No-Tip Ferrule	Tube Replacement Batten + Tip E	Tube Replacement Batten + Tip E	Tube Replacement Batten + Tip E	Tube Replacement Batten + Tip E	Tube Replacement Batten + Tip C	Tube Replacement Batten + Tip C	SOLID FOOT BATTEN REPLACEMENT A
X_Type	2008 / 2009 / 2010 / 2011 / 2012 / 2013	6.6 - 5.4	Tube Replacement Batten + No-Tip Ferrule	Tube Replacement Batten + Tip E	Tube Replacement Batten + Tip E	Tube Replacement Batten + Tip E	Tube Replacement Batten + Tip E	Tube Replacement Batten + Tip C	Tube Replacement Batten + Tip A	SOLID FOOT BATTEN REPLACEMENT A
Prisma	2008	all sizes	Tube Replacement Batten + No-Tip Ferrule	Tube Replacement Batten + No-Tip Ferrule	Tube Replacement Batten + Tip E	Tube Replacement Batten + Tip E	Tube Replacement Batten + Tip B	Tube Replacement Batten + Tip B	Tube Replacement Batten + Tip A	SOLID FOOT BATTEN REPLACEMENT A
Natural	2008 / 2009 / 2010	8.1 - 7.0	SOLID TOP BATTEN REPLACEMENT A	Tube Replacement Batten + Tip E	Tube Replacement Batten + Tip E	Tube Replacement Batten + Tip E	Tube Replacement Batten + Tip E	Tube Replacement Batten + Tip C	Tube Replacement Batten + Tip C	SOLID FOOT BATTEN REPLACEMENT A
Natural	2008 / 2009 / 2010	6.6 - 6.2	SOLID TOP BATTEN REPLACEMENT A	Solid Batten Replacement Set A 2012 ROUND #2	Solid Batten Replacement Set A 2012 ROUND #3	Solid Batten Replacement Set A 2012 ROUND #4	Solid Batten Replacement Set A 2012 ROUND #5	-	-	-
Natural	2011 / 2012 / 2013	7.8 - 6.2	SOLID TOP BATTEN REPLACEMENT A	Tube Replacement Batten + Tip E	Tube Replacement Batten + Tip E	Tube Replacement Batten + Tip E	Tube Replacement Batten + Tip E	Tube Replacement Batten + Tip C	Tube Replacement Batten + Tip C	SOLID FOOT BATTEN REPLACEMENT A
Natural	2011 / 2012 / 2013	5.8 - 4.5	Solid Batten Replacement Set A 2012 ROUND #1	Solid Batten Replacement Set A 2012 ROUND #2	Solid Batten Replacement Set A 2012 ROUND #3	Solid Batten Replacement Set A 2012 ROUND #4	Solid Batten Replacement Set A 2012 ROUND #5	-	-	-
Curve	2011 / 2012 / 2013 / 2014	all sizes	Solid Batten Replacement Set A 2012 ROUND #1	Solid Batten Replacement Set A 2012 ROUND #2	Solid Batten Replacement Set A 2012 ROUND #3	Solid Batten Replacement Set A 2012 ROUND #4	Solid Batten Replacement Set A 2012 ROUND #5	-	-	-
Super Session / HD	2018 / 2019 / 2020	all sizes	Solid Batten Replacement Set A 2012 ROUND #1	Solid Batten Replacement Set A 2012 ROUND #2	Solid Batten Replacement Set A 2012 ROUND #3	Solid Batten Replacement Set A 2012 ROUND #4	Solid Batten Replacement Set A 2012 ROUND #5	-	-	-
Volt / Volt HD	2013 / 2014 / 2015 / 2016 / 2017	all sizes	Solid Batten Replacement Set A 2012 ROUND #1	Solid Batten Replacement Set A 2012 ROUND #2	Solid Batten Replacement Set A 2012 ROUND #3	Solid Batten Replacement Set A 2012 ROUND #4	Solid Batten Replacement Set A 2012 ROUND #5	-	-	-
Duke	2008 / 2009 / 2010 / 2011 / 2012	all sizes	Solid Batten Replacement Set A 2012 ROUND #1	Solid Batten Replacement Set A 2012 ROUND #2	Solid Batten Replacement Set A 2012 ROUND #3	Solid Batten Replacement Set A 2012 ROUND #4	Solid Batten Replacement Set A 2012 ROUND #5	-	-	-
ID	2012 / 2013	all sizes	Solid Batten Replacement Set A 2012 ROUND #1	Solid Batten Replacement Set A 2012 ROUND #2	Solid Batten Replacement Set A 2012 ROUND #3	Solid Batten Replacement Set A 2012 ROUND #4	Solid Batten Replacement Set A 2012 ROUND #5	-	-	-
Super Hero / HD	2018 / 2019	5.9 - 6.7	Solid Batten Replacement Set A 2012 ROUND #1	Solid Batten Replacement Set A 2012 ROUND #2	Solid Batten Replacement Set A 2012 ROUND #3	Solid Batten Replacement Set A 2012 ROUND #4	Solid Batten Replacement Set A 2012 ROUND #5	-	-	-
Ice	2008 / 2009 / 2010 / 2011 / 2012	all sizes	Solid Batten Replacement Set A 2012 ROUND #1	Solid Batten Replacement Set A 2012 ROUND #2	Solid Batten Replacement Set A 2012 ROUND #3	Solid Batten Replacement Set A 2012 ROUND #4	Solid Batten Replacement Set A 2012 ROUND #5	-	-	-
Voodoo	until 2008	all sizes	Solid Batten Replacement Set A 2012 ROUND #1	Solid Batten Replacement Set A 2012 ROUND #2	Solid Batten Replacement Set A 2012 ROUND #3	Solid Batten Replacement Set A 2012 ROUND #4	Solid Batten Replacement Set A 2012 ROUND #5	-	-	-
Ego	2009 / 2010 / 2011	all sizes	Solid Batten Replacement Set A 2012 ROUND #1	Solid Batten Replacement Set A 2012 ROUND #2	Solid Batten Replacement Set A 2012 ROUND #3	Solid Batten Replacement Set A 2012 ROUND #4	Solid Batten Replacement Set A 2012 ROUND #5	-	-	-
Idol LTD	2014 / 2015 / 2016 / 2017 / 2018 / 2019	all sizes	Idol LTD Replacement Batten #1 (Tube 414 ind. Wave-Tip #2 + 414-Tail)	Idol LTD Replacement Batten #2 (Tube 414 ind. Wave-Tip #2 + 414-Tail)	Idol LTD Replacement Batten #3 (Tube 414 ind. Wave-Tip #3 + 414-Tail)	Solid Batten Replacement Set A 2012 ROUND #5	-	-	-	-
Idol	2013 / 2014	all sizes	Solid Batten Replacement Set A 2012 ROUND #1	Solid Batten Replacement Set A 2012 ROUND #3	Solid Batten Replacement Set A 2012 ROUND #4	Solid Batten Replacement Set A 2012 ROUND #5	-	-	-	-
Soul	2014	all sizes	Solid Batten Replacement Set A 2012 ROUND #1	Solid Batten Replacement Set A 2012 ROUND #3	Solid Batten Replacement Set A 2012 ROUND #4	Solid Batten Replacement Set A 2012 ROUND #5	-	-	-	-

Tube Battens (except Warp+RAM) - Please Note:  
 1. ALL tube replacement battens use ONE and the SAME 190cm tube-part and tail-part (tube always come with tail)  
 2. There are 5 different tip lengths and Japers existing plus one "No-Tip-Ferrule". Please refer to the chart above.  
 3. So all you need to do is: a. glue the tip into the tube (e.g. using super-glu) / b. cut the tube-end to the correct length / c. finally glue the tail into the tube

## CAMBER (+ TAB) LOCATIONS AND -SIZES

## Model Year 2008 - 2022

Sail line	Model year	Size	Batten no. (counted from the top)	1	2	3	4	5	6	7	8
Warp	20.20 + Fall / Fin 20.21 + Fall / Fin 20.22 + Fall 20.22	all sizes	-	-	-	-	Hyper Cam 2.0 C   Tab C	Hyper Cam 2.0 E   Tab E	Hyper Cam 2.0 G   Tab G	Hyper Cam 2.0 J   Tab J	-
S_Pace	2020 / 2021 / 2022	all sizes	-	-	-	-	-	Hyper Cam 2.0 E   Tab E	Hyper Cam 2.0 G   Tab G	Hyper Cam 2.0 J   Tab J	-
F_Pace Cam	2022	all sizes	-	-	-	-	Hyper Cam 2.0 E   Tab E	Hyper Cam 2.0 G   Tab G	Hyper Cam 2.0 J   Tab J	-	-
Warp	20.19 + Fall 20.19	all sizes	-	-	-	-	Hyper Cam C	Hyper Cam C	Hyper Cam G	Hyper Cam J	-
Warp	F2010 / F2011 / F2012 / F2013 / F2014 / F2015 / F2016 / F2017 / F2018	all sizes	-	-	-	-	Hyper Cam C	Hyper Cam C	Hyper Cam G	Hyper Cam J	-
Warp Formula	F2007 / F2008 / F2009 / F2013	10.0 and bigger	-	-	-	-	Hyper Cam C	Hyper Cam C	Hyper Cam E	Hyper Cam G	Hyper Cam J
RAM	F2007 / F2008 / F2009	9.9 and smaller	-	-	-	-	Hyper Cam C	Hyper Cam C	Hyper Cam E	Hyper Cam G	Hyper Cam J
RAM	F11 / F12 / F13 / F14	all sizes	-	-	-	-	Hyper Cam C	Hyper Cam C	Hyper Cam G	Hyper Cam J	-
RAM	F8 / F9 / F10	all sizes	-	-	-	-	Hyper Cam C	Hyper Cam C	Hyper Cam G	Hyper Cam J (removable)	-
S_Type SL	2015 / 2016 / 2017 / 2018 / 2019	7.3 and smaller	-	-	-	-	Hyper Cam C	Hyper Cam C	Hyper Cam G	Hyper Cam J (removable)	-
S_Type SL	2015 / 2016 / 2017 / 2018 / 2019	7.8 - 9.3	-	-	-	-	Hyper Cam C	Hyper Cam C	Hyper Cam G	Hyper Cam J (removable)	-
S_Type	2008 / 2009 / 2010	all sizes	-	-	-	-	Hyper Cam C (removable)	Hyper Cam E	Hyper Cam G	Hyper Cam J (removable)	-
S_Type	2011 / 2012 / 2013 / 2014	7.8 and smaller	-	-	-	-	Hyper Cam E	Hyper Cam G	Hyper Cam J (removable)	-	-
S_Type	2011 / 2012 / 2013 / 2014	8.4 - 9.5	-	-	-	-	Hyper Cam E	Hyper Cam G	Hyper Cam J (removable)	-	-
Prisma	2008	all sizes	-	-	-	-	-	Hyper Cam E	Hyper Cam G	Hyper Cam J	-
Daytona	2005 / 2006 / 2007	all sizes	-	-	-	-	-	Hyper Cam E	Hyper Cam G	Hyper Cam J	-
F_Type	2019 / 2020	all sizes	-	-	-	-	Pro Cam II	Pro Cam II	-	-	-