

HEUSINKVELD®

ELASTOMER KIT

Ultimate+ pedals



INTRODUCTION

Thank you for acquiring the Ultimate+ Elastomer Kit. This kit can be used to replace / renew the elastomers of the Ultimate+ brake pedal and are equal to the elastomers in the Classic Sim Pedals Ultimate Upgrade Kit.

These elastomers cannot be used to replace the green-white rubbers of the Classic Sim Pedals Ultimate.

CONTENTS

The Elastomer Kit for Ultimate+ pedals contains the following components:

- Hard elastomer in 19mm, 28mm and 37mm
- Soft elastomer in 19mm, 28mm and 37mm.

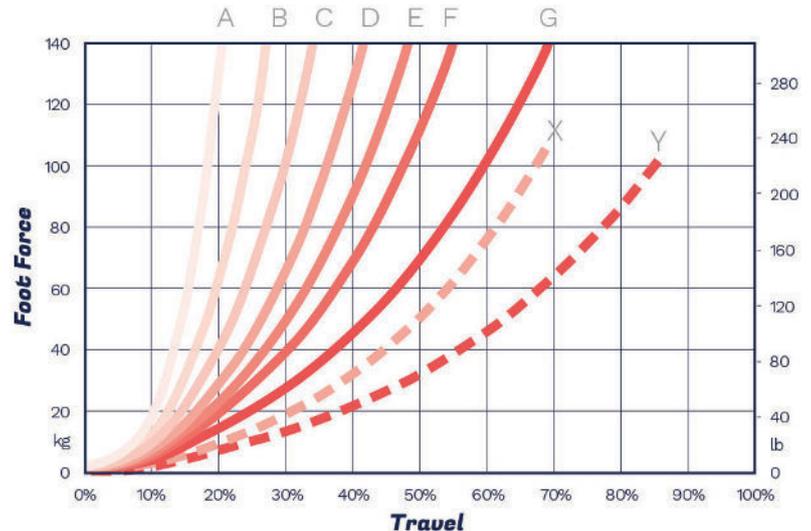
The length and the hardness of the elastomer (soft/hard) are engraved on the side of the elastomer.

All other components of the brake elastomers stack (such as the black discs and spacers) should be re-used from your original brake.

- All elastomers are marked 'hard' or 'soft' on one of the ends of the elastomers. The hard elastomers can be used up to a load of 140kg. The soft elastomers can be used up to a load of 100kg. The pedal force can be configured in our SmartControl software.
- Do not build elastomer stacks other than the 9 options outlined on the right. Damage to the product may otherwise occur.
- Do not mix hard and soft elastomers in one stack.

Force curves:

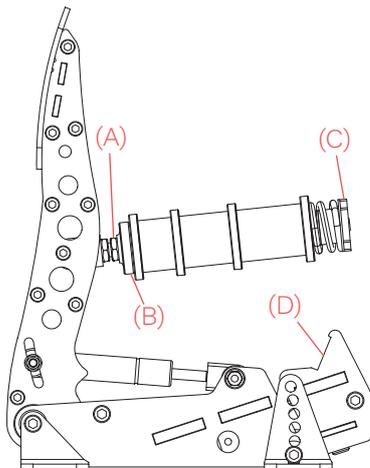
With this kit you can set a total of 9 force curves. All possible curves can be seen in the graph. The hardest setting is on the left, the softest on the right.



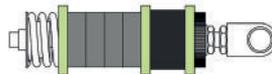
INSTALLATION INSTRUCTIONS

The brake elastomers are changed as follows:

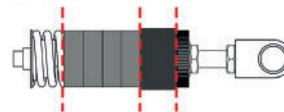
1. Remove all preload. Turn the lock nut (A) towards the pedal arm, using the wrench supplied with your pedals. Then turn the knurled nut (B) towards the pedal arm.
2. Pop the stack out by pressing with 2 thumbs on the rear of the pedal backplate (C).
3. Remove or add elastomers, discs and spacers as desired. Look carefully at the elastomer stack schematics to correctly assemble a stack. There must always be a large disc before and after every individual elastomer.
4. Pop the backplate (C) back in position (D).
5. Set preload by adjusting the black knurled nut (B). Make sure there is enough tension on the stack so it will not pop out. Do not turn the knurled nut beyond the thread of the rod. If this happens, consider adding an extra spacer.
6. Lock the knurled nut by tightening the lock nut (A) firmly against it.
7. Recalibrate the pedals in SmartControl.



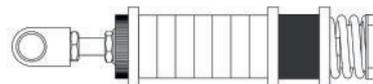
✓ YES!



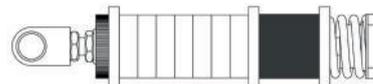
✗ NO!



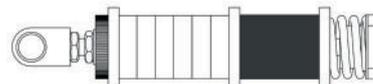
NOTE: Always use a 38mm spacer on either side of every elastomer!



19mm Hard (A)



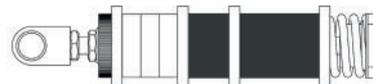
28mm Hard (B)



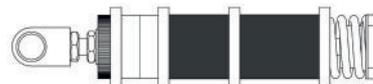
37mm Hard (C)



19 + 28mm Hard (D)



19 + 37mm Hard (E)



28 + 37mm Hard (F)
or
28 + 37mm Soft (X)



19 + 28 + 37mm Hard (G)
or
19 + 28 + 37mm Soft (Y)

**CHECK THE TUTORIAL VIDEO
ON OUR YOUTUBE CHANNEL.**



Remco will guide you
through the process!

FULL MANUAL & TUTORIALS

The full manual for the original product and its software can be found on our website.



Check out our tutorials too.

heusinkveld.com/support/product-manuals

PIT STOP FOR YOUR QUESTIONS

If you have any questions about our products or need help with the installation, our Support Team is happy to help you at support@heusinkveld.com

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