

SPRINGS

WHAT FORCES ARE ACTING ON SPRINGS



WHAT LINKS THESE ITEMS TOGETHER?





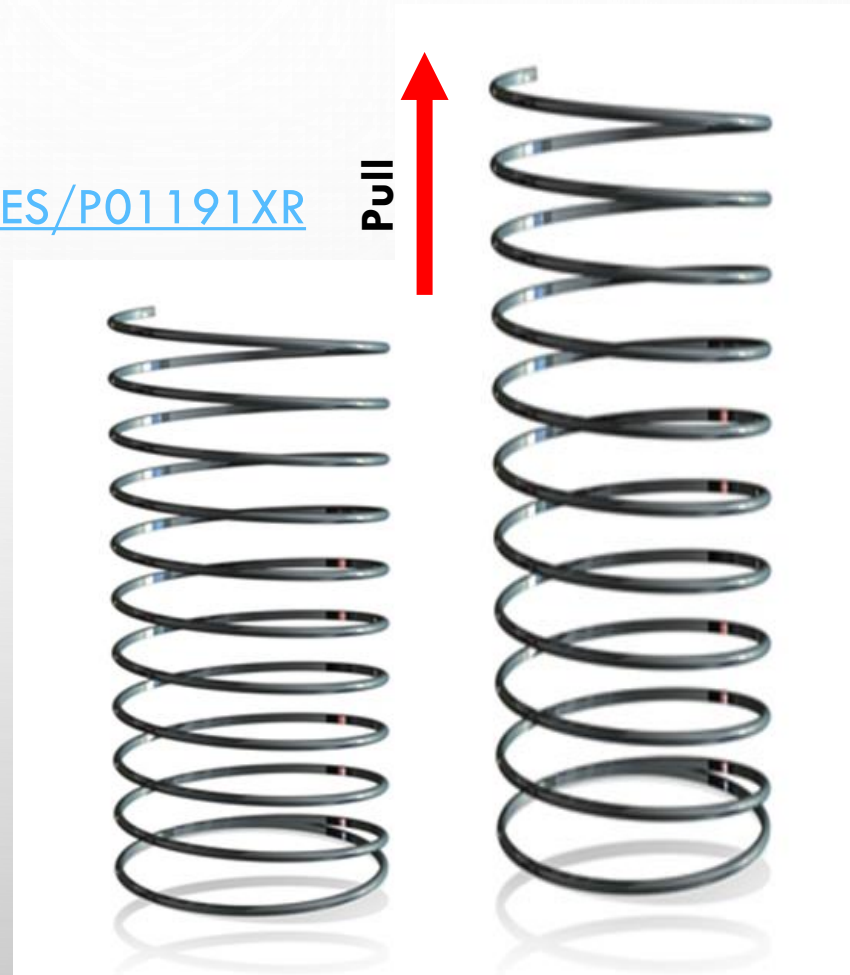
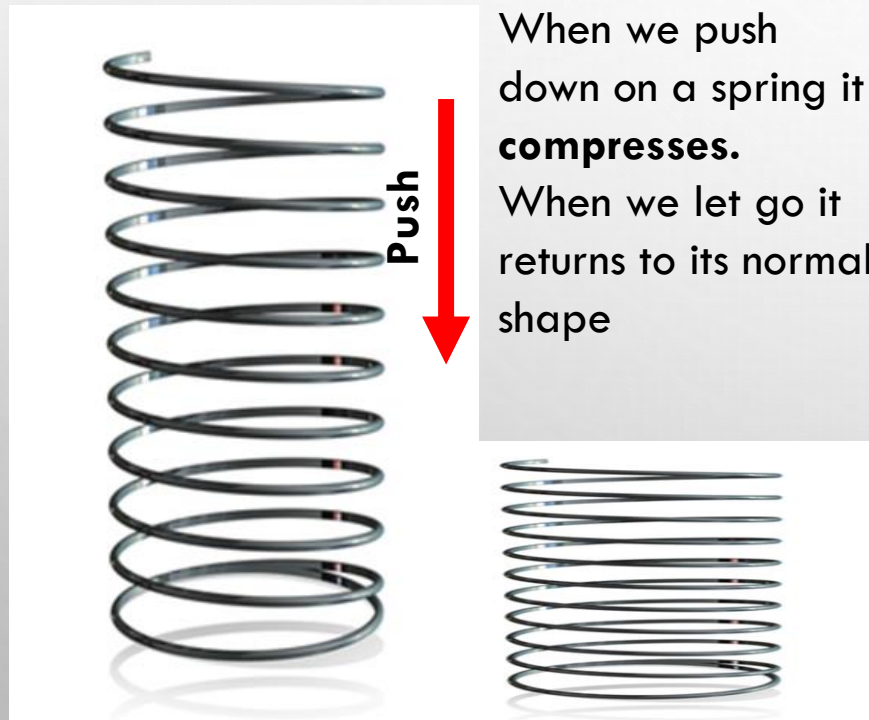
WHERE ELSE CAN YOU FIND SPRINGS?

LIST ALL THE THINGS THAT YOU CAN FIND THAT HAVE SPRINGS IN, MAYBE GO OUT SIDE AS WELL

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WHAT FORCES ARE ACTING ON A SPRING?

[HTTPS://WWW.BBC.CO.UK/PROGRAMMES/P01191XR](https://www.bbc.co.uk/programmes/P01191XR)



WHAT FORCES ARE ACTING ON A SPRING?

When talking about springs these pushes and pulls are called strain forces and we must be careful not to pull or push too hard because the spring can deform (lose its shape) and break.



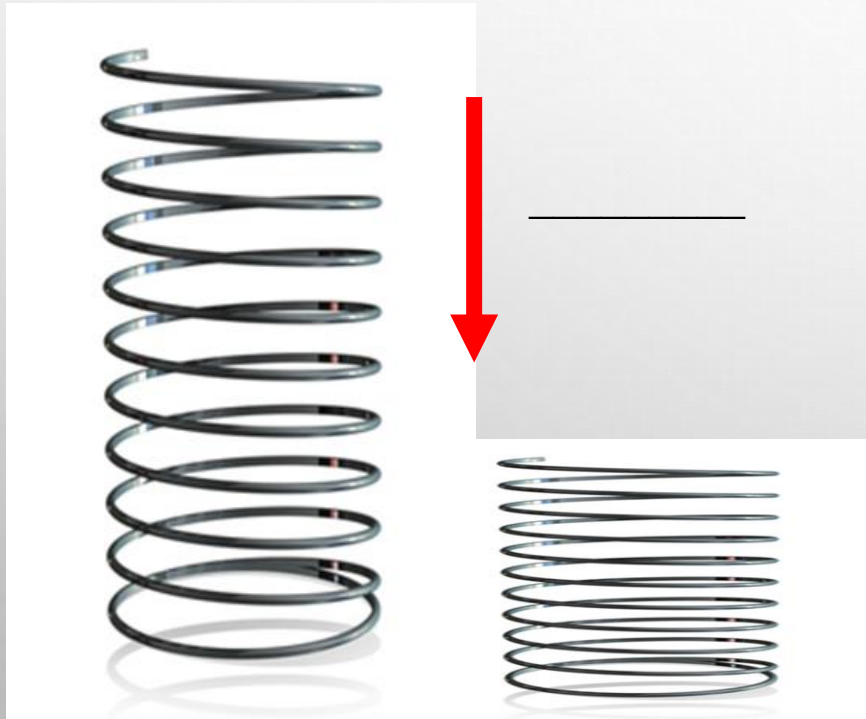
If you have an elastic band you can feel the point where it starts to break (deform) by pulling it slowly. You will get to a point where it's hard to pull any further that is the point the elastic band will break if you pull it any more. A spring works in a similar way.

Give it a go with an elastic band but be **careful**.

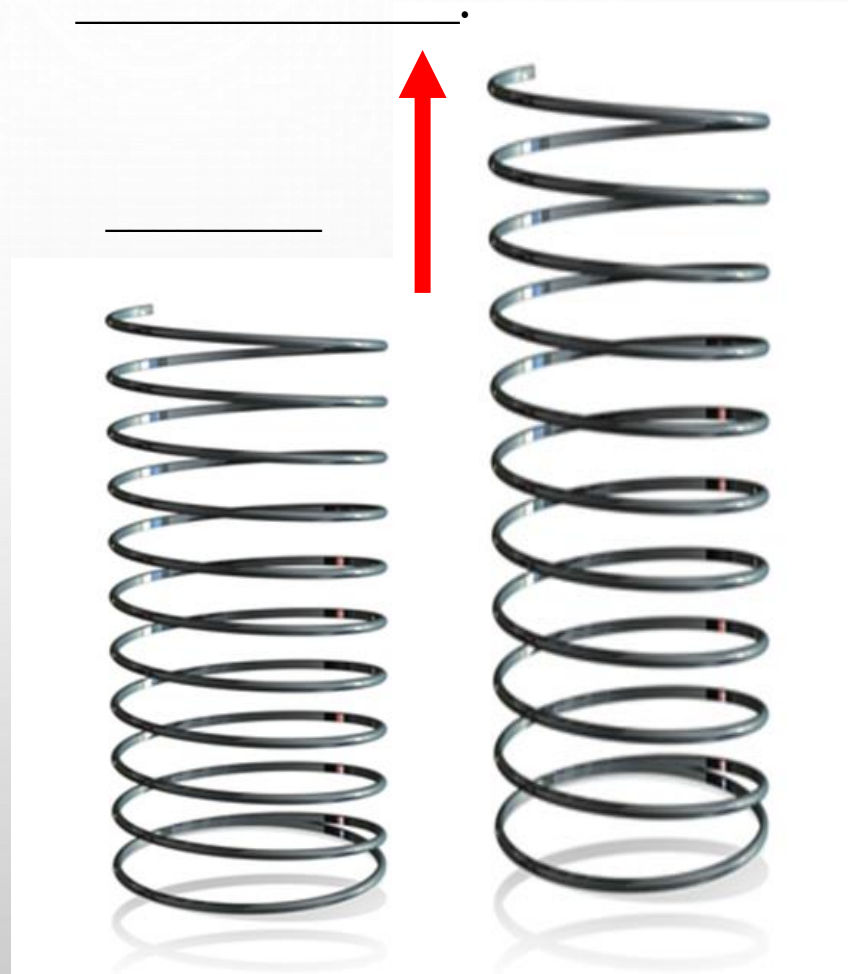
LABEL YOUR OWN SPRINGS

Draw your own if you can print.

This spring is being _____ down and _____.



This spring is being _____ up and _____.



Words:
Pushed
Pulled
Compressed
Stretched
Push
Pull