

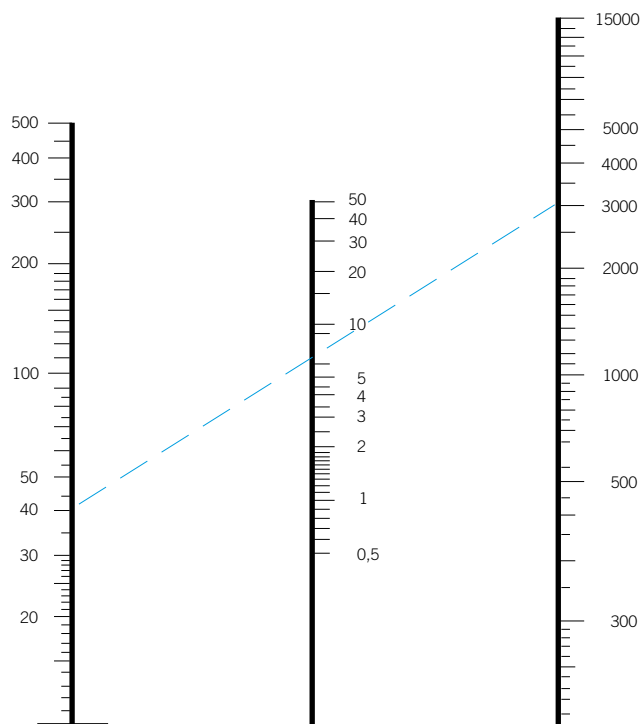
The choice of the right elastomer

Next points are important

1. Under lip temperature caused by friction
2. Shaft speed
3. Temperature of the medium
4. Chemical influence of the medium
5. Pressure on the seal

The following table may help to determine the peripheral speed at a given shaft diameter and rotational speed.

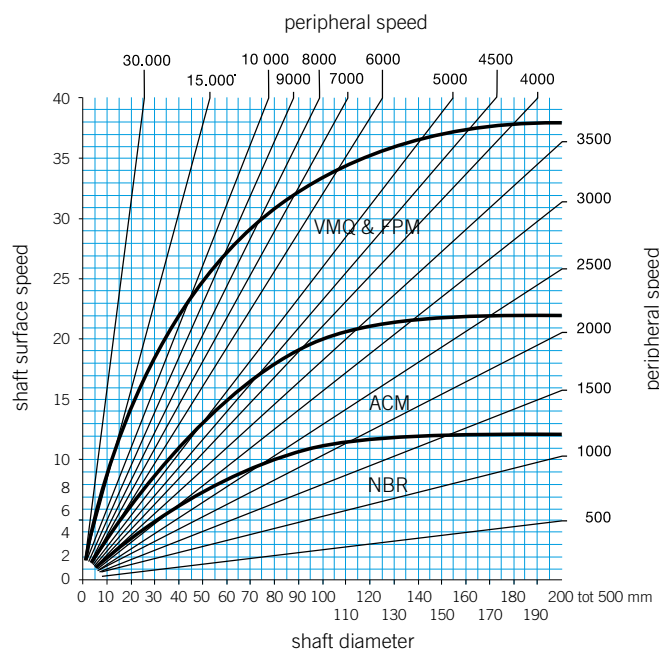
Example: the peripheral speed of a shaft of 40 mm diameter with a speed of 3000 revolutions per minute is 6.5 metres per second.



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Allowable peripheral speeds and surface speeds

Shaft speeds which may be permitted, related to the rubber material in the case of non-pressure conditions (with good lubricating mineral oil and a good flow of lubricant), is shown in the next figure.



* Oil will convey the heat better than grease