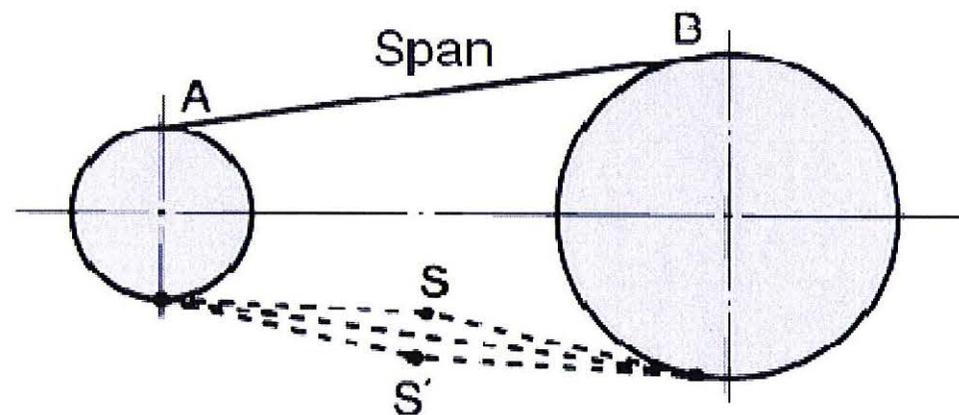
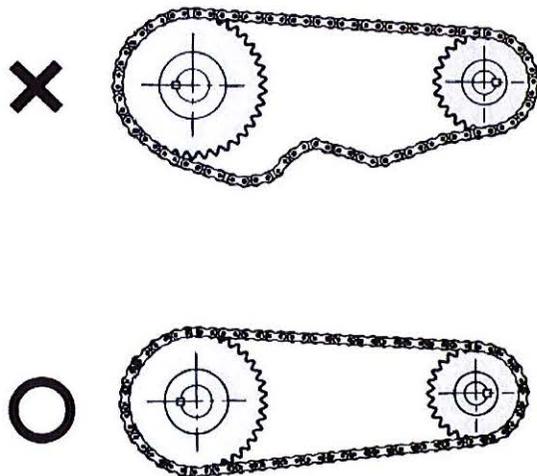


Excessive or insufficient slack in the chain

The amount of slack is appropriate when the distance (SS') that the chain can be moved perpendicularly by hand at the center of the slack side is **4%** of the span (AB).

(For example, when the span is 800 mm, the amount of slack should be $800 \text{ mm} \times 0.04 = 32 \text{ mm}$.)

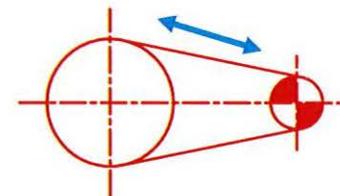
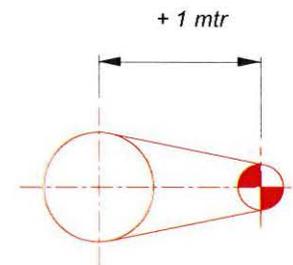
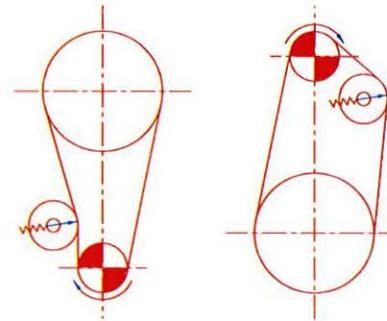


Excessive or insufficient slack in the chain

REMARK:

In the following situations, this should be 2%:

- When the transmission is vertical or close to vertical (a tensioner is required).
- When the distance between the shafts is more than 1 m.
- When frequent starts are made with a heavy load.
- When sudden reverse motion takes place.



Troubleshooting

Chain rides up on the sprocket.

✓ **Excessive load**

→ Select proper chain size

✓ **The roller chain and sprocket do not match**

→ Replace the chain and sprocket with the correct size

✓ **Elongation of the chain due to wear or excessively worn sprocket teeth.**

→ Replace the chain and sprocket

➤ *Remark: Find out the cause of wear on chain and/or sprockets*

✓ **Angle of chain wrap on the sprocket is insufficient**

→ Adjust the installation

➤ *Remark: Angle of chain wrap should be at least 120°*

