

13. Force - wrist and hand strain



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What do you notice about wrist and hand strain/effort?	Note: For background information, see other side.	
In conclusion, the current situation	is acceptable	needs improvement
What specific improvements can be made?		
Should we analyze the situation or the proposed solutions in more detail?	no	yes - more detail on other side







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We looked at	Why be concerned? (consequences)	Recommendations	
Position of the wrist and hand	When force exerted is high (tightening, squeezing, etc.) or low but sustained (keyboard, mouse, etc.): • fatigue • joint problems When the heel of the hand is used as a hammer or for squeezing: • compressed tendons, nerves, blood vessels • carpal tunnel syndrome, among others	 Reduce the following to a minimum: tightening and squeezing exerting sudden force fine grasping with the fingers (pinch grip) using the heel of the hand as a hammer Assess the need to tighten "to the max" (avoid as best as possible) Provide technical aids (types of couplings, sealing rings, etc.) Provide tools with long enough handles Provide hydraulic or electric tools Carry objects (files) in containers with handles to avoid pinching the fingers Use pliers or failing that, the whole hand, to grasp small objects, rather than the fingers which can only grip them (and use more force in the process) Provide regular breaks, even when minor effort is sustained 	

Translated and adapted from SOBANE materials, available at www.sobane.be/fr/tms_obs.html



