




**Basic requirements for lone work are:**

Fulfilment of the annual instruction obligation, completed work instructions, successfully completed equipment instructions

During the work the intended protective equipment must be worn or the existing protective devices must be used!

For minors and apprentices the provisions of the KJBG and KJBG-Vo are valid!

no	activites	threats	evaluation	1	2	3	4	5	notes
				permitted	permitted	permitted	prohibited	prohibited	
1	office work and office-like activities (e.g. in laboratories without exposure to chemical substances, live parts, mechanical hazards)	no to low risk	slip	X					
2	working on live equipment with voltages below 25V AC and 60V DC	low risk	low: weak electric shocks		X				applies to laymen in electrical engineering
3	working on live equipment with voltages above 25V AC and 60V DC	medium to high risk	electric shocks, heart rhythm disturbances, unconsciousness				X		applies to laymen in electrical engineering
4	working with voltages up to 50V AC and 120V DC	medium to high risk			X				applies to skilled workers (ÖVE E5 Part 1)
5	working with voltages above 50V AC and 120V DC	high risk	electric shocks, heart rhythm disturbances, unconsciousness		X				applies to skilled workers (ÖVE E5 Part 1)
6	work near live equipment up to 25V AC and 60V DC	low risk	weak electric shocks due to accidental contact		X				applies to laymen in electrical engineering
10	working with hand tools (e.g. hammer, screwdriver etc.) or small electrical tools (e.g. cordless screwdriver, drill etc.)	low risk	minor injuries		X				
11	work on tools or equipment with freely accessible rotating parts (e.g. circular saw, lathe etc.)	medium to high risk	severing of fingers, severe bruising			X			
12	work on tools or equipment with increased risk of being drawn in or crushed (e.g. robot systems in maintenance mode), handling of loads with cranes, etc.	high risk	whole body contusions, head injuries, unconsciousness				X		 
13	work with exposure to heat hand - skin < 70°C	low risk	small area burns on fingers or hand		X				
14	work with heat exposure hand - skin > 70°C	medium risk	burns of the skin			X			
15	work exposed to heat and risk of splashing	high risk	großflächige Verbrennungen, Bewußtlosigkeit				X		
16	work with lasers of protection class 1 or 2	no to low risk	minor injuries	X					
17	work with lasers of protection class 3 or higher	medium risk	eye injuries possible		X				
18	work under non-ionised radiation (IR)	no to low risk		X					
19	working under UV radiation	low to medium risk	light burns		X				
20	work under ionised radiation	high risk	radioactive contamination				X		
21	working under magnetic fields	low risk	unspecific		X				danger for persons with pacemakers and/or implants

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22	work with biological agents of risk groups 1 and 2	low risk	no or little risk of infection for humans		X				
23	work with biological agents of risk groups 3 and 4	very high risk	risk of infection with dangerous or life-threatening agents					X	
24	work with hazardous substances that are neither poisonous, corrosive, highly flammable nor harmful to health or in concentrations of up to 10%.	low risk	small area burns		X				  
25	working with toxic, corrosive (concentration > 10%) or harmful substances *1	very high risk	acute poisoning, eye/skin burns, unconsciousness					X	  
26	working with very small quantities (< 1 litre) of highly inflammable substances	low risk	light burns		X				 
27	working with extremely flammable or explosive substances *1	high risk	extensive burns, unconsciousness			X			   