

Operation Manual

Electric Winch

63080, 63081

wiltec



Illustration similar, may vary depending on model

Read and follow the operating instructions and safety information before using for the first time.

Technical changes reserved!

Due to further developments, illustrations, functioning steps, and technical data can differ insignificantly.

Updating the documentation

If you have suggestions for improvement or have found any irregularities, please contact us.



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Even though, the WilTec Wildanger Technik GmbH has undergone biggest possible efforts to ensure that the operating manual is complete, faultless, and up to date, mistakes cannot be entirely avoided.

If you should find a mistake or wish to make a suggestion for improvement, we look forward to hearing from you.

Send an e-mail to:

service@wiltec.info

or use our contact form:

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The most recent version of this manual in various languages can be found in our online shop via:

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To return orders for exchange, repair, or other purposes, please use the following address. Attention! To allow for a smooth execution of your complaint or return, it is important to contact our customer service team before returning the goods.

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Introduction

Thank you for purchasing this quality product. **To minimise the risk of injury we urge that our clients take some basic safety precautions when using this device. Please read the operation instructions carefully and make sure you have understood its content.**

Keep these operation instructions safe.

Safety instructions

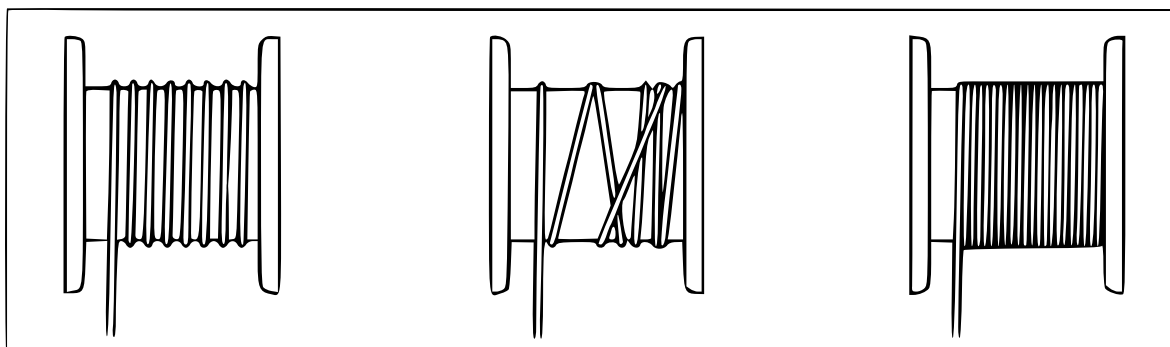
Safety while using electrical devices

- The socket must always comply with the safety regulations. Have an electrician check a socket that is not in accordance with the regulations.
- The mains plug must be earthed and the circuit secured with a magnetic circuit breaker.
- Do not unplug the plug by pulling the power cable.
- The device may only be operated by specially trained persons with good knowledge of the safety regulations.
- The device must be out of children's reach.
- The device must be protected from frost and cold.
- The device must not continue to be operated if it cannot lift a weight. Then the maximum load capacity of the device is exceeded.
- Do not overload the device! Never use 2 or more winches at the same time to lift the same object.
- Never lift heavy objects at an angle and do not use the cable winch to pull objects across the floor.
- Never try to lift fixed or built-in objects.
- Do not disassemble the device while it is in operation or with the power supply (still) activated.
- Do not operate the device in the rain or during a thunderstorm.
- This device is expressly designed for indoor use only, not for outdoors.
- Lifting people is strictly prohibited.
- Do not stand or work under a suspended load.
- When starting work, carefully check that the steel cable is properly wound on the drum and that the minimum cross-section of the cable is observed (see ill.).
- Leave at least 3 complete turns of the cable on the drum so that the connection point of the cable is not damaged (see ill.).
- To avoid any danger, do not unwind more than 15 m of cable from the drum (see ill.).
- Before loading, press the switch, remove slack in the rope, then lift the load.

NO

NO

YES



- The maximum permissible weight on the rope must be observed. The decisive factor for this is the load capacity indicated on the device, not the one indicated on the hook.
- Do not leave heavy objects hanging for too long as this puts excessive strain on the winch parts and can lead to an accident.

- If the steel cable is worn out, only have it replaced by an equivalent cable in a specialist workshop.
- Before starting work, check the functionality of the switches.

⚠ CAUTION! THE ELECTRIC MOTOR OF THE WINCH HAS NO OVERLOAD PROTECTION. IF LOADS CANNOT BE LIFTED, DO NOT TRY TO LIFT IT FURTHER BUT STOP AND LET THE ENGINE COOL DOWN.

Lift limitation

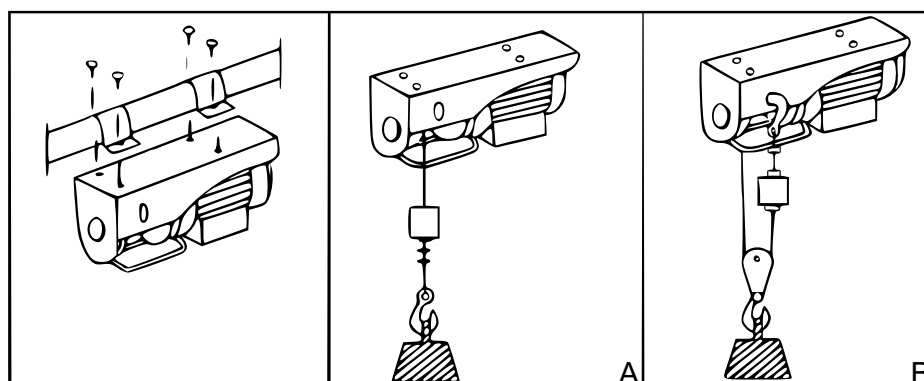
Due to the lift limitation, only a limited distance is possible when lifting or lowering a load. Do not use this device as a drive switch and never dismantle it.

Brake system of the winch

- The brake system was set at the factory so that it works safely in the range of the rated power for lifting. After a long period of use, the braking system can show signs of wear; the brake then no longer works properly and safely. If you find that the winch no longer achieves its rated output, ask your dealer to replace the brake disc.
- This electric winch has safety devices for the start and end of the lift. When a load is lifted to the end stop, the safety switch is triggered and the motor then stops. The same applies to the lowering speed: If it is too fast, the safety switch interrupts the process and the motor stops as well. The safety device against too quick lowering is located on the side of the engine. There must still be at least 2 turns of the steel cable on the drum when the safety switch responds. If this is not the case, being no longer properly adjusted, it must be readjusted by the dealer.
- All the parts listed above that can easily wear out must be checked at least every 6 months so that the device continues to function properly and the operator can work safely with it.

Fastening and commissioning

This electric cable winch is equipped as standard with a special clamp mounting system with a special profile for mounting on square or round pipes.





A = without redirection B = with redirection

Make sure that the available voltage and frequency match the information on the nameplate. If this is the case, plug in the power plug. If you use an extension cable, the minimum cross-sections in the table below must be observed:

Cable length (m)	Diameter (mm)
up to 20	1.5
20–50	2.5



Maintenance

 1  2 If your cable looks like this, have it replaced in a specialist workshop.	<ul style="list-style-type: none"> • REGULARLY check that the steel cable is in good condition. • REGULARLY check the tight fit of the retaining screws of the clamps and the reduction gear. • REGULARLY check the condition and tightness of the screw nuts for the clamps of the steel cable. • REGULARLY check the circuit breaker and switch of the motor for proper function. • Check the cable winch REGULARLY, at least once a year, for wear.
<ul style="list-style-type: none"> • All moving parts must be well lubricated or oiled: hooks, drum axis, gears, and shafts, etc. However, the steel cable must not be lubricated! • NOTE: Hook wear: Check the hook for wear or abrasion losses during every maintenance. If the wear exceeds 10 % of its dimension on delivery, it must be replaced. 	

Technical data

Item number	63080		63081	
	Standard	Double load capacity	Standard	Double load capacity
Load capacity (kg)	100	200	125	250
Max. lifting height (m)	12	6	12	6
Lifting speed (m/min)	10	5	10	5
Cable length (m)	12.5			
Cable diameter (mm)	3			
Cable break resistance (kg)	≥800			
Service	S3 – 20 % 10 min			
Voltage (V)	230			
Frequency (Hz)	50			
Motor power P ₁ (W)	480		540	

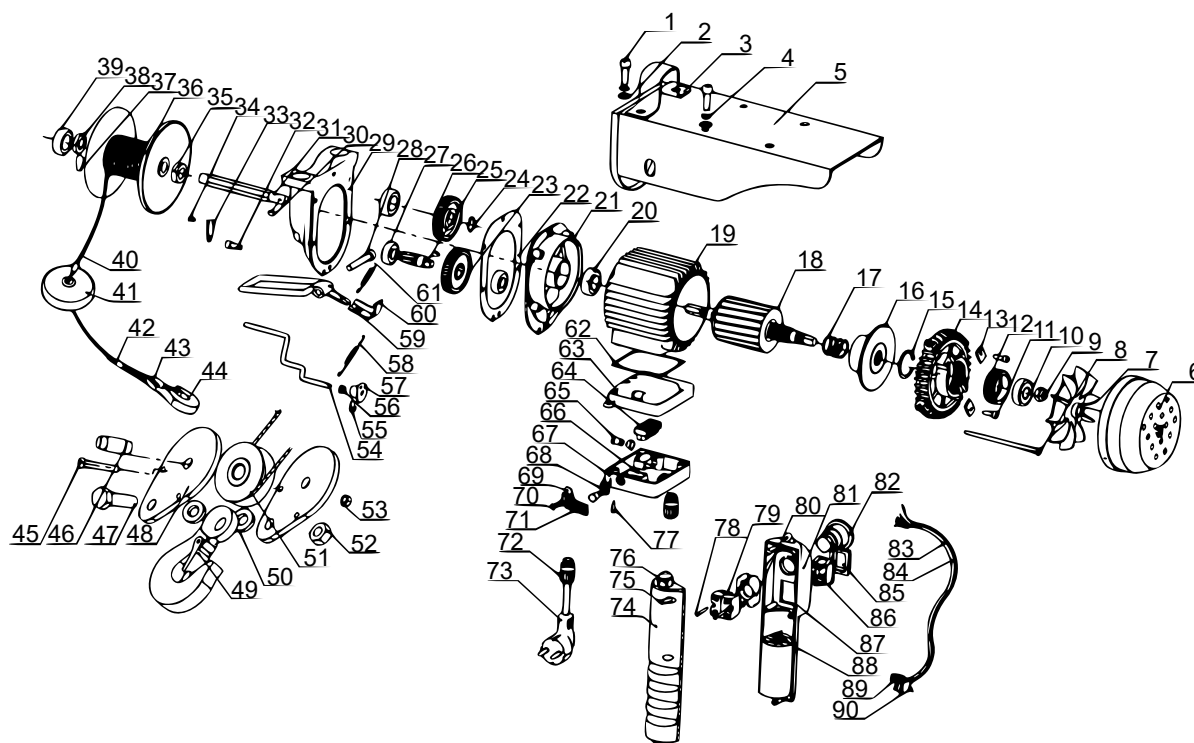


Other models

Model	HGS-B ₁ -300E PA-300E		HGS-B ₁ -400E PA-400E		HGS-B ₁ -500E PA-500E		HGS-B ₁ -600E PA-600E	
	Stand- ard	Dbl. load	Stand- ard	Dbl. load	Stand- ard	Dbl. load	Stand- ard	Dbl. load
Load capacity (kg)	150	300	200	400	250	500	300	600
Max. lifting height (m)	12	6	12	6	12	6	12	6
Lifting speed (m ³ /min)	10	5	10	5	10	5	10	5
Cable length (m)	12.5							
Cable diameter (mm)	3		3.8		4.2		4.5	
Cable break re- sistance (kg)	≥800		≥1100		≥1300		≥1600	
Service	S ₃ – 20 % 10 min							
Voltage (V)	230							
Frequency (Hz)	50							
Motor power P ₁ (W)	600		950		1020		1200	

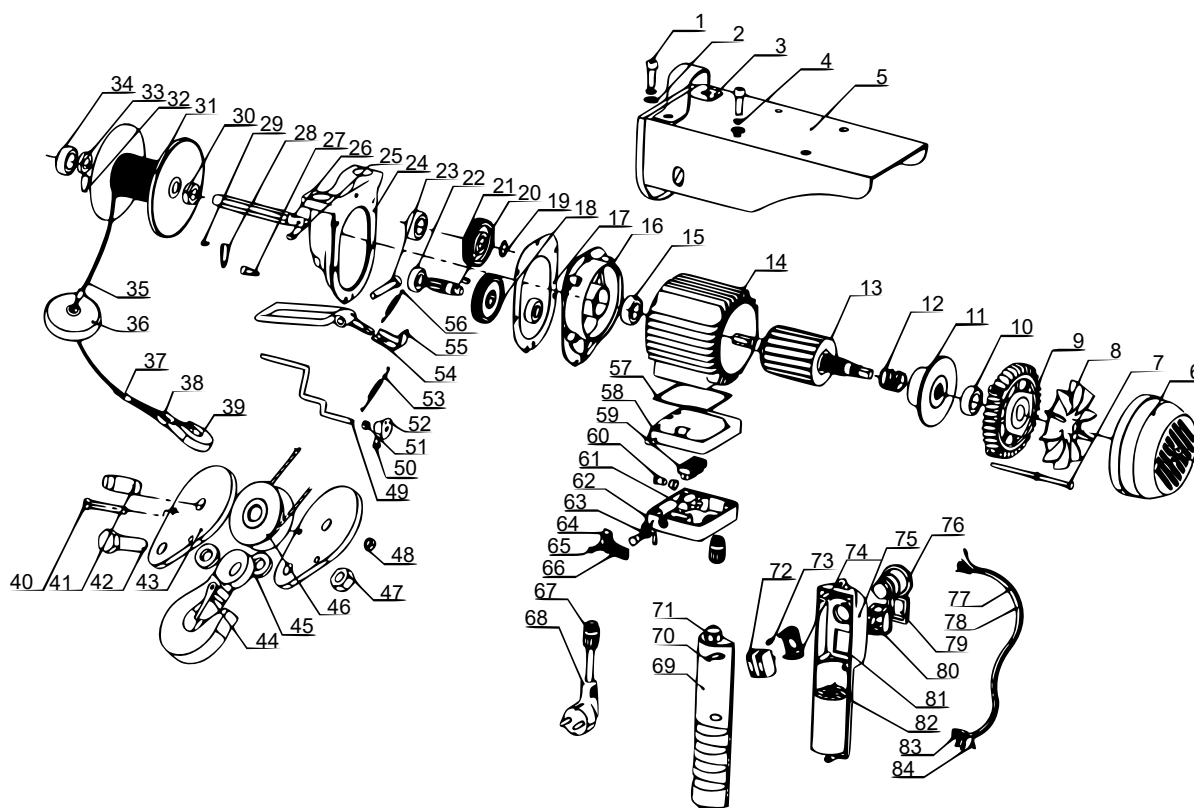
Model	HGS-B ₁ -700E PA-700E		HGS-B ₁ -800E PA-800E		HGS-B ₁ -1000E PA-1000E	
	Standard	Dbl. load	Standard	Dbl. load	Standard	Dbl. load
Load capacity (kg)	350	700	400	800	500	990
Max. lifting height (m)	12	6	12	6	12	6
Lifting speed (m ³ /min)	8	4	8	4	8	4
Cable length (m)	12.5					
Cable diameter (mm)	5.1				5.6	
Cable break resistance (kg)	≥2000		≥2000		≥2500	
Service	S ₃ – 20 % 10 min					
Voltage (V)	230					
Frequency (Hz)	50					
Motor power P ₁ (W)	1250		1300		1600	

Exploded views and parts lists



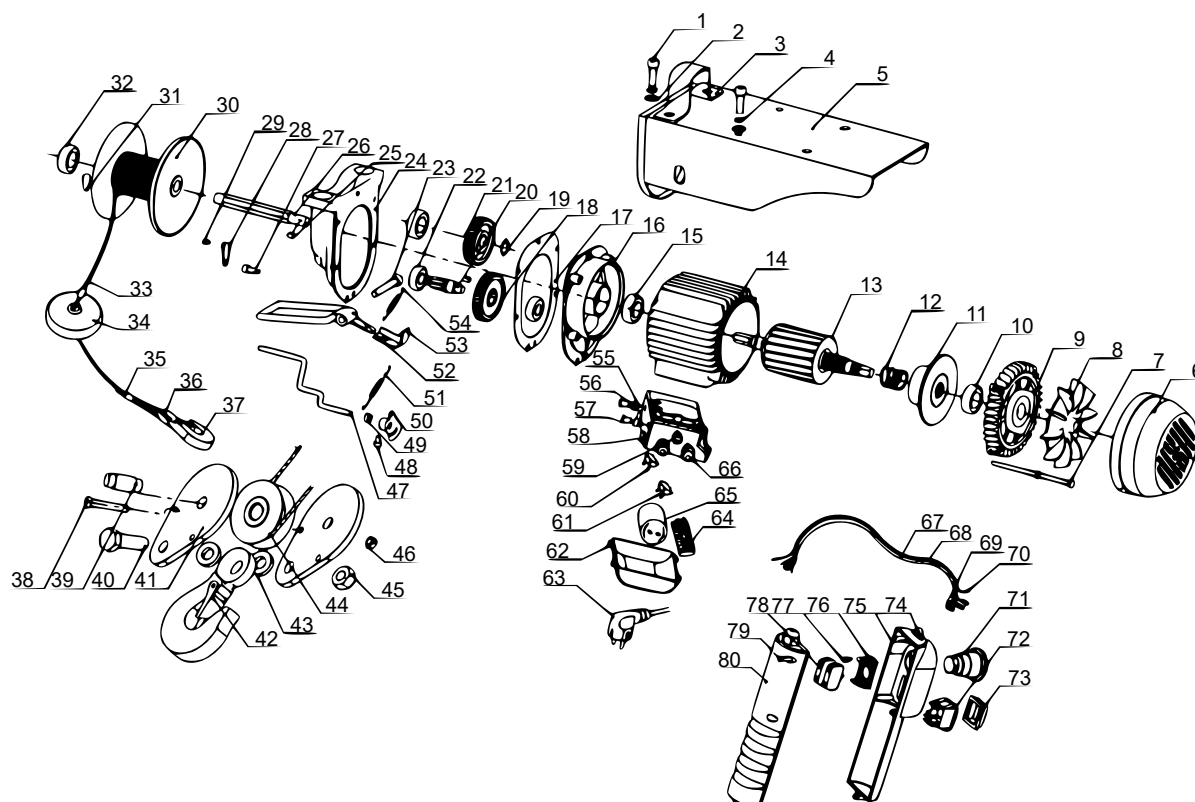
No	Name	No	Name	No	Name
1	Hexagon bolt	31	Rope shaft	61	Upper limit tension spring
2	Flat washer	32	Socket head cap screw	62	Junction box sealing ring
3	Fixing ring	33	Limited fixed plate	63	Junction box base
4	Spring washer	34	Crossed slot round bolt	64	Terminal
5	Support structure	35	Inner cable roll washer	65	Limit shaft
6	Fan housing	36	Cable roll	66	Limit switch
7	Fan blade	37	Wedge	67	Junction box cover
8	Hexagon bolt	38	External cable roll washer	68	Water-tight cover
9	Prevailing torque type	39	Bearing	69	Lower limit transfer plate
10	Bearing	40	Wire rope	70	Crossed slot round bolt
11	Socket head cap screw	41	Block	71	Limit switch plate
12	Bearing sleeve	42	Aluminium pipe	72	Holder
13	Clamp	43	Cable thimble	73	Three-prong plug
14	End cap	44	Hook	74	Lower handle lid
15	Internal circle clip	45	Hexagon bolt	75	Crossed slot round bolt
16	Brake disc	46	Wheel axle	76	Holder
17	Tripping spring	47	Hexagon bolt	77	Crossed slot round bolt
18	Rotor	48	Pulley splint	78	Crossed slot round bolt
19	Stator casing assembly	49	Pulley hook	79	Emergency stop switch
20	Bearing	50	Hook washer	80	Switch block plate
21	Front cover	51	Pulley	81	Upper handle lid

22	Sealed paper pad	52	Prevailing torque type	82	Emergency stop switch
23	First gear	53	Prevailing torque type	83	Cable conductor
24	Elastic collar	54	Limit screw	84	Plastic-coated wire ropes
25	Gear shaft	55	Crossed slot round bolt	85	Water shield
26	Second gear	56	Limit screw plastic washer	86	Lifting/lowering switch
27	Bearing	57	Limit cam	87	Handle seal
28	Socket head cap screw	58	Lower limit tension spring	88	Capacitor
29	Gear case	59	Limit frame	89	Socket
30	Flat key	60	Limit piece	90	Lanyard plate



No	Name	No	Name	No	Name
1	Hexagon bolt	29	Crossed slot round bolt	57	Junction box sealing ring
2	Flat washer	30	Inner cable roll washer	58	Junction box base
3	Fixing ring	31	Cable roll	59	Terminal
4	Spring washer	32	Wedge	60	Limit shaft
5	Holder	33	External cable roll washer	61	Limit switch
6	Fan housing	34	Bearing	62	Junction box cover
7	Hexagon bolt	35	Wire rope	63	Water-tight cover
8	Fan blade	36	Block	64	Lower limit transfer plate
9	End cap	37	Aluminium pipe	65	Crossed slot round bolt
10	Bearing	38	Cable thimble	66	Limit switch plate
11	Brake disc	39	Hook	67	Holder

12	Tripping spring	40	Hexagon bolt	68	Three-prong plug
13	Rotor	41	Wheel axle	69	Lower handle lid
14	Stator casing assembly	42	Hexagon bolt	70	Crossed slot round bolt
15	Bearing	43	Pulley splint	71	Holder
16	Front cover	44	Pulley hook	72	Emergency stop switch
17	Sealed paper pad	45	Hook washer	73	Crossed slot round bolt
18	First gear	46	Pulley	74	Switch block plate
19	Elastic collar	47	Prevailing torque type	75	Upper handle lid
20	Gear shaft	48	Prevailing torque type	76	Emergency stop switch
21	Second gear	49	Limit screw	77	Cable conductor
22	Bearing	50	Crossed slot round bolt	78	Plastic-coated wire ropes
23	Socket head cap screw	51	Limit screw plastic washer	79	Water shield
24	Gear case	52	Limit cam	80	Lifting/lowering switch
25	Flat key	53	Lower limit tension spring	81	Handle seal
26	Rope shaft	54	Limit frame	82	Capacitor
27	Socket head cap screw	55	Limit piece	83	Socket
28	Limited fixed plate	56	Upper limit tension spring	84	Lanyard plate



No	Name	No	Name	No	Name
1	Hexagon bolt	28	Limited fixed plate	55	Elastic collar
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3	Fixing ring	30	Cable roll	57	Limit shaft



4	Spring washer	31	Wedge	58	Junction box base
5	Holder	32	Bearing	59	Holder
6	Fan housing	33	Wire rope	60	Crossed slot round bolt
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25	Flat key	52	Limit frame	79	Crossed slot round bolt
26	Rope shaft	53	Limit piece	80	Lower handle lid
27	Socket head cap screw	54	Upper limit tension spring		

Disposal regulations

EU guidelines regarding the disposal of scrap electric appliances (WEEE, 2012/19/EU) were implemented in the law related to electrical and electronic equipment and appliances.

All WilTec electric devices that fall under the WEEE regulations are labelled with the crossed-out wheeled waste bin logo. This logo indicates that this electric equipment must not be disposed with the domestic waste.

The company WilTec Technik GmbH has been registered in the German registry EAR under the WEEE-registration number DE45283704.

Disposal of used electrical and electronic appliances (intended for use in the countries of the European Union and other European countries with a separate collection system for these appliances).

The logo on the article or on its packaging points out that this article must not be treated as normal household waste but must be disposed to a recycling collection point for electronic and electrical waste equipment. By contributing to the correct disposal of this article you protect the environment and the health of your fellow men. Environment and health are threatened by inappropriate disposal.



Material recycling helps reduce the consumption of raw materials.

Additional information on recycling this article can be provided by your local community, municipal waste disposal facilities, or the store where you purchased the article.

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