



## Eltrac 471

Unità per la trazione  
universale lombare e cervicale



PARTNER FOR LIFE

# Eltrac 471

Whether it concerns the treatment of a hernia, degenerative discopathy, or a pinched nerve, spinal decompression provides a solution for prolonged symptoms of pain. Spinal decompression can be achieved in a variety of ways, but traction is one of the easiest and most effective methods. Traction therapy influences the pressure between the vertebrae. Because of the pressure decrease during traction, a mechanical effect on the nerves is generated and a biophysical effect on the circulation and oxygen supply to the local structures. This can result in immediate pain relief, but also a structural improvement in the long term.

The Eltrac 471 is your perfect assistant for traction therapy. The trusted Eltrac 471 has helped many patients for decades on end. This Eltrac 471 has now been improved. The Eltrac 471 is accurate, easy-to-use, real-time and safe!



# Eltrac 471

## Accurate

The new Eltrac is precise. The forces are exercised on the patient with ultimate precision. The tractive effort in the cord of the Eltrac 471 is constantly measured during traction. The control of the Eltrac compares the measured value to the set value. Any deviations are immediately corrected. The movements of the patient are monitored, such that these have no influence on the actual tractive effort.

The Eltrac is also extremely accurate in reproducing the values of the traction therapy. The actual values are shown, meaning the actual force exercised, rather than indications of a percentage of the motor capacity or a predicted force! And that accuracy is reproduced in the smallest conceivable steps. By zooming in on the display, you can see what is actually happening!

## Easy-to-use

The new Eltrac 471 is extremely easy-to-use thanks to the touch-screen and the intuitive interface. A clear and well-organised menu will assist you in making therapeutic choices. All essential information will be displayed. Not only while adjusting the settings for the therapy, but also during the therapy itself.

Moreover, the treatment protocols can be saved as well. Every possible combination can be added to the protocol library, even protocols that combine static and intermittent traction in a single session, which was never possible until recently! Static traction alone is often too painful for the patient, particularly in the acute phase when traction can prove to be so effective. In such cases, combining static and intermittent traction in a single session may be the ideal solution. And the new Eltrac 471 offers various forms to choose from in that respect, such as pro- and regressive, cyclic patterns or combinations of these.





## Eltrac 471

### Real-time

What you see on the clear and informative display is exactly what is taking place. No averaging later on, but rather real-time. This allows you to monitor the forces actually exercised in the course of the therapy, not a summarised representation, but the actual course. You can zoom and scroll through the visual representation of the treatment. This will also provide better insight into the course of the treatment session as a whole. You will be on top of what you need to know thanks to the real-time information.

### Safe

The Eltrac 471 by Enraf-Nonius is the safe and responsible choice. Not only because Enraf-Nonius has been supplying physiotherapists with equipment as early on as 1925, but also because we develop treatment equipment with the most advanced technology. The traditional equipment for traction is mainly characterised by controlled traction forces. In addition to the controlled contraction force, the new Eltrac 471 also offers clear real-time feedback, the option to save protocols and the user-friendliness that modern technology renders possible. In addition to the option to save your individual protocols, the Eltrac is of course also equipped with preprogrammed clinical protocols (evidence based!). This makes it extremely easy to adjust the settings of the equipment.

Forces above 200 Newton may jeopardize safety when performing cervical traction. Therefore, the Eltrac 471 has a built-in warning indicating when a treatment includes forces above this threshold.

# Eltrac 471

## Ergonomic design

A design that focusses on functionality and user-friendliness. Offering the therapist comprehensive insight and a clear interface. Offering the patient the most comfortable fixation method and a relaxed starting position.

## The new generation

The Eltrac by Enraf-Nonius is the newest generation of equipment for traction therapy. Thanks to the latest technological possibilities, the most advanced scientific insights and the many years of experience of Enraf-Nonius as developer of therapeutic equipment, you will be guaranteed of having the best equipment with the new Eltrac 471.

## Traction bench can also be used as treatment bench

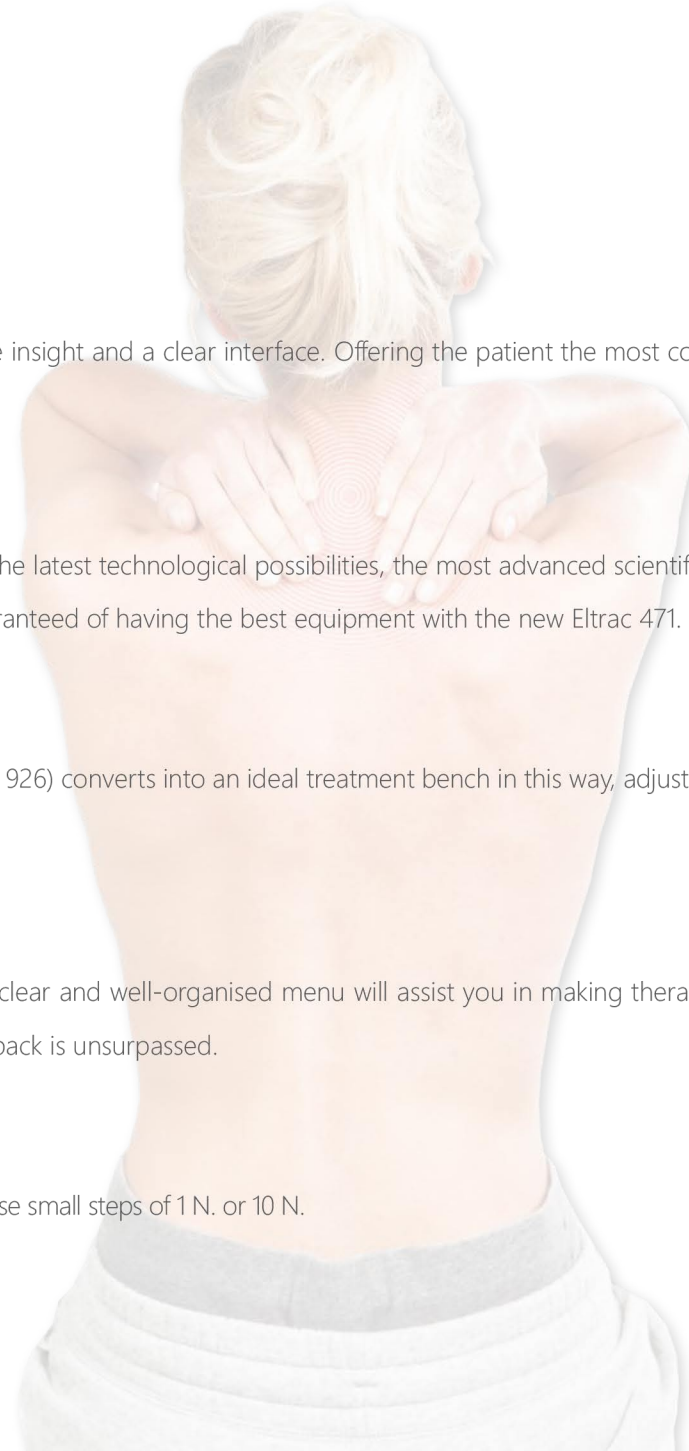
The rolling blade components for traction can be easily secured. Your traction bench (type 916 and 926) converts into an ideal treatment bench in this way, adjustable in height and with a folding leg component and head component.

## Easy-to-use

The new Eltrac is extremely easy-to-use thanks to the touch-screen and the intuitive interface. A clear and well-organised menu will assist you in making therapeutic choices. All essential information will be displayed. The graphic support with the zoom option and direct feedback is unsurpassed.

## Precise

The forces can be adjusted with the utmost precision. Not a percentage of the motor force, but in precise small steps of 1 N. or 10 N.



# Eltrac 471

## Programmed for speed

The menu structure is optimized to speed. In most cases you can start a pathology-specific treatment in just 3 steps! Easy, quick and simple.

## Roller mounted section

There is maximum comfort for the patient thanks to the roller mounted section. The roller-mounted surface prevents friction below the hips and legs, so that the full traction force set is actually applied in the vertebral treatment.

## Accurate

Feedback of the measured forces exercised and immediate correction of deviation where necessary. In addition, the device precisely adjusts the traction force as quickly as you want.

## Made by Enraf-Nonius

Made by Enraf-Nonius and, therefore, safe, reliable and durable. A device made by Enraf-Nonius, THE supplier for the physiotherapist worldwide. Where quality, reliability and durability come as standard.

## Crystal clear TFT colour screen

A crystal clear, full colour and scratch resistant screen that allows full visibility on all parameters from all viewing angles.



# Eltrac 471

## Touch screen user interface

Easy to use by means of a clear menu via a touch screen interface. Extremely intuitive and as easy as a state-of-the-art smart phone.

## Traction couch with easy fixation

With fixation rails on both sides (type 916 and 926) as well as on the head section, the Manumed Traction offers a possibility to fixate the patient in any possible way. Traction belts and various Velcro straps can easily be attached. Fixation is an easy task on a Manumed Traction couch.

## Programmable

In addition to the standard treatment protocols, you can also save your personal protocols (including sequential applications) based on your own guidelines. Every conceivable combination - static, pro- and regressive, cyclic or intermittent can be stored as a personal favourite in this way.

## Flexistool for an ideal starting position during lumbar traction

The high-low adjustable flexistool renders it possible to exercise traction with an ideal starting position in which the hip-angle can be bent from 45 to 90 degrees.

Accurate, easy-to-use, real-time and safe



# Eltrac 471

Areas of application of traction therapy



Pain reduction



Reduction of muscle tone



Increase of the range of motion  
and flexibility



Decrease of disc protrusion



Decompression of pinched nerves

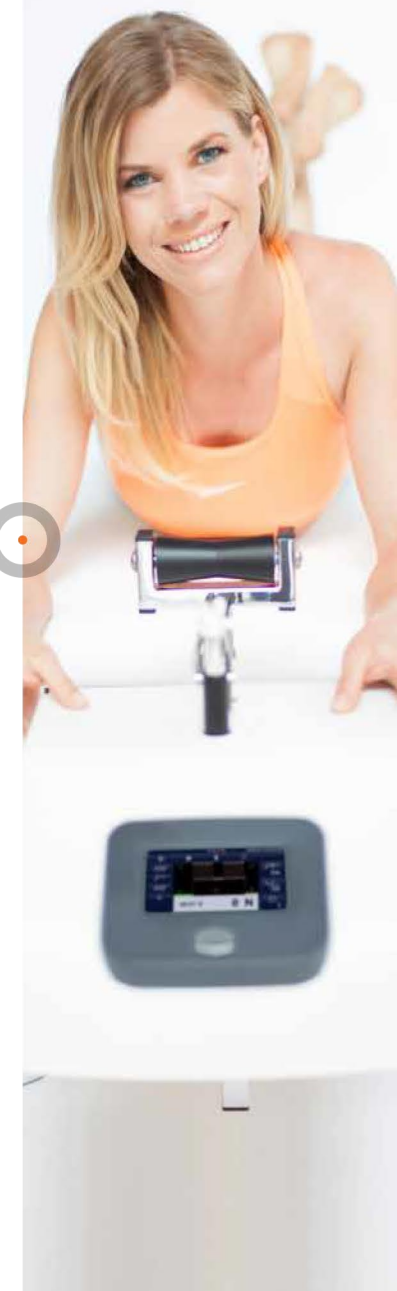
# Eltrac 471

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## Accessori standard

- 1471806 Corda di nylon con moschettone, 170 cm, per Eltrac 471
- 1471801 Manopole fissaggio, 4 pz., per Eltrac 471
- 1471800 Pulsante stop paziente, per Eltrac 471
- 1471757 Istruzioni d'uso Eltrac 471
- 1471756 Opuscolo informativo Eltrac 471
- 3444290 Cavo alimentazione 230V-EUR

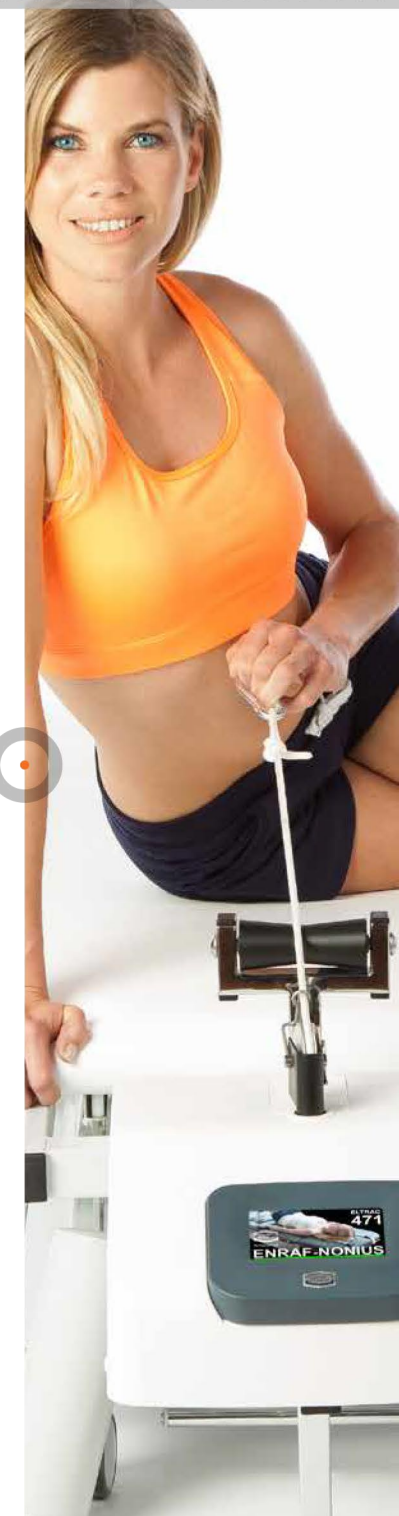
## INFORMAZIONI PER GLI ORDINI



# Eltrac 471

## DATI TECNICI

Tipi di terapia:	Modalità di trazione: Statica, Intermittente, Progressiva, Regressiva, Ciclica, Combinazioni
Forza di trazione	15 - 900 N / 1.5 - 90 kg / 3.4 - 202 libbre
Forza di trazione / Tempo di sospensione forza di base:	1 sec. - 1 ora (intervalli di 1 sec. )
Repetizioni (intermittenti e cicliche):	1 - 100
Velocità passi (progressiva e regressiva):	1 sec.- 5 min. (intervalli di 1 sec. )
Passi (progressivi e regressivi):	1 - 25
Velocità (variazione forza di trazione):	1 - 50 N/sec. (intervalli di 1 N) 0.1 - 5.0 kg/sec. 0.2 - 11.2 Lbs/sec.
Durata trattamento	1 sec. - 150 min.
Prefertii programmabili:	100+
Protocolli clinici:	Si (3)
Programmazione sequenziale:	Si (fino a 5 forme di terapia)
Controllo di sicurezza per la forza di trazione superiore a:	200 N / 20 kg / 45.2 libbre
LCD:	4.3 inch, full colour, capacitivo
Tensione di rete:	100 - 240 V (50/60 Hz)
Consumo d'energia:	50 VA
Dimensioni:	30 x 34 x 22 cm
Peso:	10 kg
Questo è un dispositivo medico.	È conforme a tutte le normative mediche applicabili. Per maggiori dettagli consultare le istruzioni per l'uso (scaricabili tramite <a href="http://www.enraf-nonius.com">www.enraf-nonius.com</a> ). 



# Eltrac 471

## ACCESSORI

- 5500926<sup>(1)</sup> Manumed Special Trazione 4 sezioni (tipo 926)<sup>(1)</sup>
- 5500916<sup>(1)</sup> Manumed Special Trazione 4 sezioni (tipo 916)<sup>(1)</sup>
- 3450500<sup>(1)</sup> Manumed Special Trazione 2 sezioni con schienale, altezza fissa (tipo 004)<sup>(1)</sup>
- xxxxxxx ManuXelect Trazione<sup>(2)</sup>



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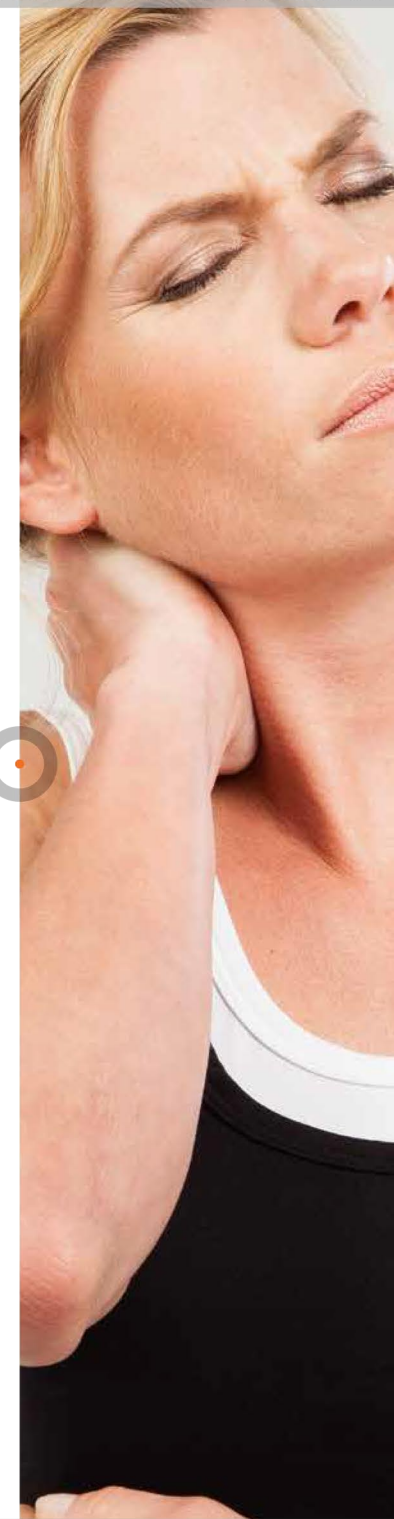
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(1) = vedere il nostro opuscolo Manumed Trazione per tutte le opzioni e accessori (download it from [www.enraf-nonius.com](http://www.enraf-nonius.com))

(2) = vedere il nostro opuscolo ManuXelect per tutte le opzioni e accessori (download it from [www.enraf-nonius.com](http://www.enraf-nonius.com))

# Dispositivo di trazione clinica Saunders

## ACCESSORI

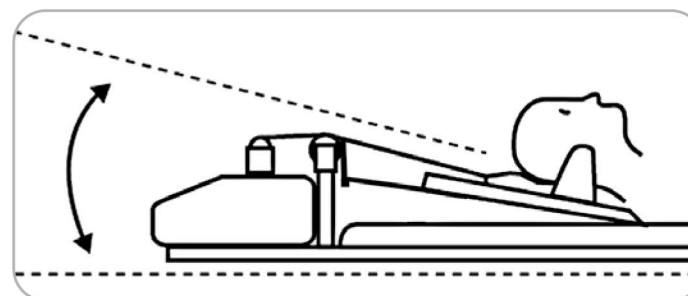
### Trazione cervicale con il dispositivo di trazione clinico Saunders

La trazione cervicale può essere molto efficace nel trattamento delle ernie cervicali che richiedono l'allargamento del forame neurale o lo stiramento del tessuto molle nella struttura cervicale. Il dispositivo di trazione clinica Saunders rende la trazione cervicale semplice e confortevole.

Con il dispositivo di trazione clinico Saunders, le forze di trazione sono dirette verso l'occipite. Le forze non sono applicate al mento, quindi non c'è pressione sull'articolazione temporomandibolare. Il dispositivo di trazione clinico Saunders può essere adattato alle esigenze individuali in modo che ogni paziente riceva il massimo beneficio.

L'angolo della trazione cervicale è regolabile con il dispositivo di trazione clinico Saunders. Ciò consente una trazione ottimale come descritto in letteratura.

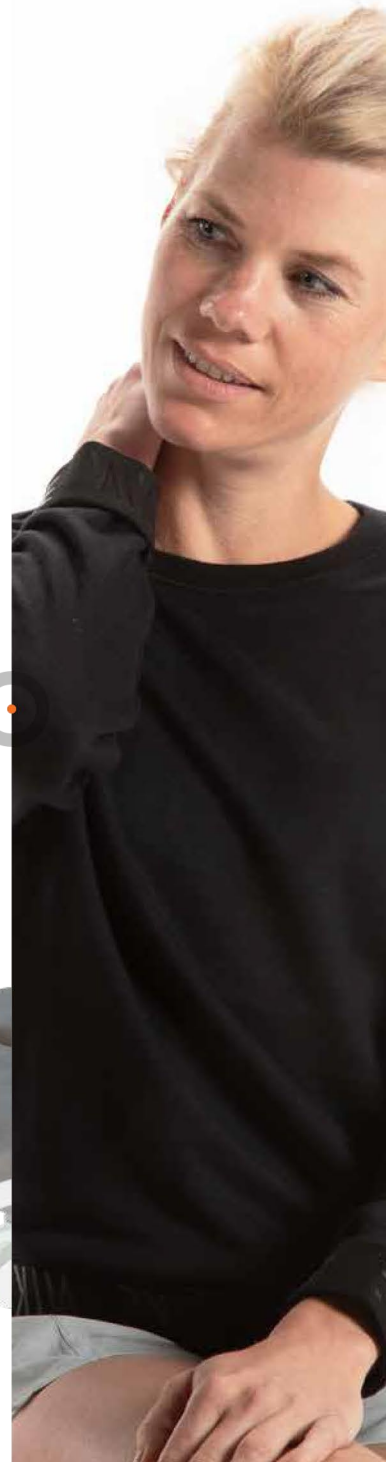
La combinazione di Eltrac 471 con un tavolo di trazione Enraf-Nonius e il dispositivo di trazione clinico Saunders è la soluzione ideale per chiunque stia cercando una trazione cervicale, sicura e confortevole.



# Dispositivo di trazione clinica Saunders

ACCESSORI

1471808    Dispositivo di trazione clinica Saunders con staffa per barra a muro per Eltrac 471



## Eltrac 471

## ACCESSORI

- 3xxx014 Sgabello per trazione con possibilità di regolazione separata per ogni gamba (disponibile in diversi colori)
- 3445022 Cintura pelvica per lettino di trazione (Manumed Trazione)
- 3445021 Cintura toracica per lettino di trazione (Manumed Trazione)
- 3445038 Telaio per trazione Manumed Trazione adj. altezza tipo 916 e 926 (430 mm)
- 3445020 Telaio per trazione per Manumed Trazione tipo 004(480 mm)



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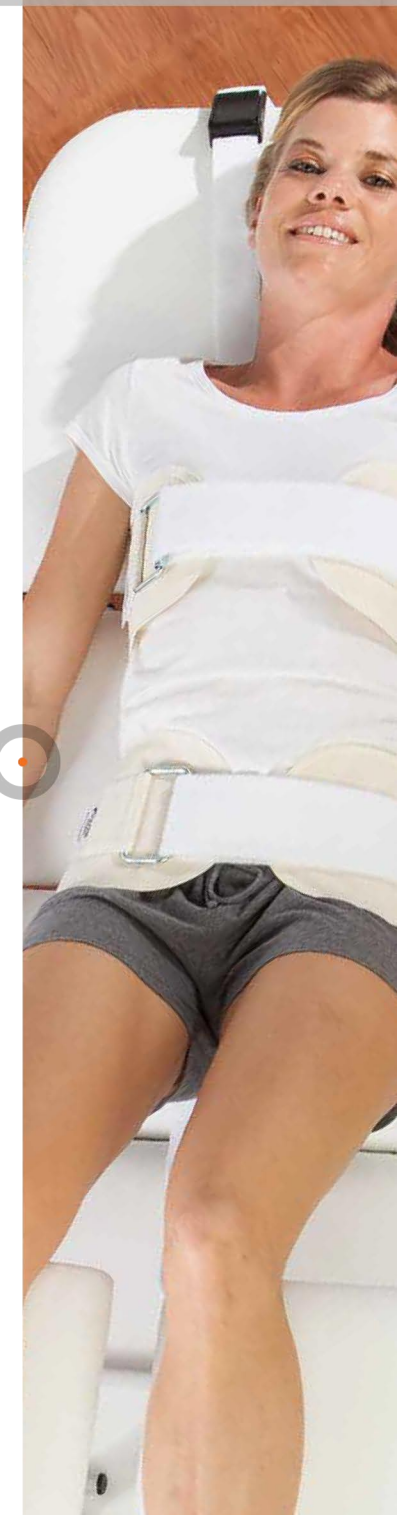
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